

COATING MATERIALS FOR ELECTRONIC APPLICATIONS POLYMERS PROCESSING RELIABILITY

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What polymers are used in coating technology? Polymeric coatings have the potential to provide excellent adhesion, protection, and the necessary qualities to the surface underneath them. Natural and synthetic rubber, polyurethane, poly(vinyl chloride) (PVC), acrylics, epoxy, phenolics, silicone, and other polymeric coatings are examples of such materials [28–30].

What are the application of polymers in electronics? The different applications of polymers in the electronic industry include organic photovoltaics, organic field effect transistors (OFETs), organic light emitting diodes (OLEDs), polymer solar cells (PSCs), and polymer light emitting diodes.

What are the examples of coating material? Coating materials can be categorized as follows: Binders (acacia, gelatin, cellulose derivatives) Fillers (calcium carbonate, titanium dioxide, talc) Colorants (dyes, iron oxides, titanium dioxide)

What are the disadvantages of polymer coating? The main one is the high cost of application, which consists of the cost of the polymer itself, auxiliary (primer) materials, special equipment, etc. Another disadvantage of polymer coatings is the difficulty of removing them.

What are 3 polymer applications? Product made from polymers are all around us: clothing made from synthetic fibers, polyethylene cups, fiberglass, nylon bearings,

plastic bags, polymer-based paints, epoxy glue, polyurethane foam cushion, silicone heart valves, and Teflon-coated cookware.

What are the examples of polymers in electronics? Examples of electronic polymers include polyacetylene PAC having electric conductivity $\sigma = 10^4$ - 10^5 S/cm; polyaniline PANI ($\sigma = 10^2$ - 10^3 S/cm); poly(p-phenylene vinylene) PPV ($\sigma = 10^3$ - 10^4 S/cm); and polythiophene PT ($\sigma = 10^3$ - 10^4 S/cm).

What are three engineering applications of polymers? These polymers are considered very promising for controlled drug delivery devices. Biodegradable polymers also offer great potential for wound management, orthopaedic devices, dental applications and tissue engineering.

What polymers are used in drug coating?

Which polymer is used for coating cookware? Teflon, which is the trade name for Polytetrafluoroethylene (PTFE), is the polymer used to deposit non-stick coatings on cookware.

Which plastic is used for coating? Teflon is used in cookware coating as it is non-sticky.

What is the use of polymers in film coating? The most widely used polymers in non-functional film coating are cellulose derivatives such as hypromellose. Plasticizers, used to improve the flexibility of the film formed and prevent it from cracking or breaking. They work by weakening the attraction between the polymer molecules to make the film more malleable.

What is the engine code for Hyundai 2.0 CRDi? 2.0 L (D4EA)

What is engine service manual? Service, maintenance and workshop manuals are a critical tool used when servicing and maintaining an engine and include information on: Disassembly and Assembly. Electrical System. Systems Operation, Test and Adjust.

What is the meaning of CRDI in Hyundai? A CRDI abbreviation stands for Common Rail Direct Injection and is used by Hyundai Motor Group for their proprietary diesel engines with Common Rail direct fuel injection. CRDI engines are

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turbocharged power units installed on Hyundai and Kia vehicles.

What is the engine code for Hyundai 2.2 CRDi? Engine with engine code D4EB Used.

What is a diesel engine service? Changing the oil and filter—use the correct grade for your diesel engine. Changing the air filter—Catches sand and other debris. Changing the fuel filter—keeps the fuel clean so there is no water or contaminants in it. Bleeding the fuel system—flushes out the contaminated fuel.

Is a service manual the same as a repair manual? Sometimes, they are — a service manual and a repair manual may refer to the same thing. However, a user manual or owner's manual usually refers to a simpler guide for the consumer. You might recognize them as the short pamphlets that come with the packaging of a purchased product.

What is an OEM service manual? OEM Manuals contain thousands of pages of diagnostic and repair information! These are the same manuals your dealer service center uses so you know you're getting the technical information needed to service and maintain your vehicle or equipment.

Which is better, CRDi or TDi? CRDi - Common rail direct injection. TDi uses turbocharging from exhaust & CRDi itself has high pressure pump so it do not necessarily requires turbocharger to boost engine's efficiency & power. CRDi technology is comparatively better for small capacity engines.

Which is better GDI or CRDi? By introduction of CRDI a lot of advantages are obtained, some of them are, more power is developed, increased fuel efficiency, reduced noise, more stability, pollutants are reduced, particulates of exhaust are reduced, exhaust gas re circulation is enhanced, precise injection timing is obtained, pilot and post ...

Is the CRDi engine good? Although it comes with its complexities, and maintenance and treatment might be more difficult than a regular diesel engine, a CRDi ensures that the engine is overall a better option in the long run.

What is the fuel consumption of Hyundai 2.2 CRDi engine? Hyundai claims a thrifty 6.1 ltr/km (100 km for consumption, down from 7.5 ltr/km in previous versions,

and as unlikely as it might seem for a big seven-seater in largely urban conditions with a few longer highway stints, we recorded 6.8L/100km in this test.

Who makes Hyundai diesel engines? The Hyundai U engine is a series of three or four-cylinder diesel engines made for automotive applications by the Hyundai Kia Automotive Group.

Is Hyundai Accent CRDi turbocharged? The Hyundai Accent Hatchback is powered by a Euro 4-compliant 1.6L CRDi diesel engine with variable-geometry turbocharger (VGT).

How often does a diesel engine need servicing? But ideally, you should have your diesel vehicle professionally serviced every six months or 10,000 km, whichever happens first. However, older diesel vehicles should get serviced more often – every 5,000 km or three months.

What is high kms for a diesel? So 200,000 or 300,000km engines are not unusual. That doesn't mean all diesels necessarily have sound long-term (or even short-term) reliability, but the good ones generally do.

What is the service life of a diesel engine? How Long Can a Diesel Engine Last? The average lifespan of a diesel engine is typically around 500,000 miles. With proper care and maintenance, they can last over 800,000 miles. There are differences between the lifespans of commercial and personal diesel engines.

What are the two types of service manuals? Factory service manuals are created by the manufacturer of the vehicle and are highly detailed and specific to that particular make and model. After-market service manuals are created by third-party publishers and are more generic, covering a range of vehicle makes and models.

What information is in a service manual? Service manuals are detailed instructional documents or guides that provide comprehensive information and instructions on how to repair, maintain, and service a particular piece of equipment, machinery, vehicle, or device.

What is engine maintenance manual? OMMs provide all the information you need to keep your engine running properly day in, day out. They include details on regular maintenance intervals together with technical data and guidance.

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What is the best auto repair manual?

Can I buy a service manual for my car? You can also find a wide variety of repair manuals for sale online at the following vendors: <http://www.autorepairmanuals.biz/> <http://www.faxonautoliterature.com/> Another good source is eBay Motors, where you can search for new or used manuals.

What is manufacturer's maintenance service manual? Factory service manuals (FSM) are the manuals provided by manufacturers which cover the servicing, maintenance, and repair of their products. They are not designed for the general public, however they are created by manufacturers for use at their OEM dealerships.

How do I find my Hyundai engine number? The engine number is found on the body of the car's engine. Car manufacturers ensure that the number is clearly visible. It is imprinted on a metal sticker and placed in such a way that it is easy to see when you open the hood.

What is the specs of the Hyundai Tucson 2.0 diesel? It's a 2.0-litre four-cylinder turbo-diesel engine, and it produces 137kW of power (4000rpm) and a whopping 416Nm of torque (2000-2750rpm). The Tucson diesel comes with an eight-speed automatic transmission, and is all-wheel drive.

What is the engine code FB20? FB20. The prior EJ20 used an oversquare 92 mm × 75 mm (3.62 in × 2.95 in) bore and stroke for a 1,994 cc (2.0 L) swept displacement; in comparison, the FB20 features an undersquare bore and stroke for a slightly larger displacement. All FB20 variants: Displacement: 1,995 cc (2.0 L) DOHC.

What is the engine code 0023? The definition of code P0023 can vary depending on your make and model; it often shows up as "B Camshaft Position Actuator A Control Circuit/Open Bank 2" or "Exhaust 'B' Camshaft Position Actuator Circuit (Bank 2)." This means the powertrain control module (PCM) or engine control module (ECM) has identified a problem ...

How do I check engine code?

What is the 4 digit of engine number? The first digit is the details of where the car was manufactured, while the second and third digits show details about the manufacturer. Digits four through eight showcase details of the car's brand, engine type, engine capacity and fuel type.

How can I check engine number? An engine number is a unique identification number assigned to each engine of a vehicle. You can generally find the engine number embossed on the engine block. You can also check your vehicle's registration certificate, insurance policy, or ownership manual provided by the car dealership for the engine number.

What is the mileage of Hyundai Tucson 2.0 diesel? Tucson Signature 2.0 AT Diesel mileage is 16.38 KM/L as per ARAI.

What engine in Hyundai Tucson diesel? The Tucson/ix35 is available with several engines: an all-new 2.0-litre diesel R engine, one of two Theta-II petrol engine variants (2.0-litre or 2.4-litre), 1.7-litre Ull diesel and 1.6-litre Gamma GDI petrol.

What is the CO2 emissions of a Hyundai Tucson 2.0 diesel? Emissions are rated at 172g/km. All diesel Hyundai Tucsons use AdBlue to help reduce emissions, and there's a 14-litre AdBlue tank that will need topping up on occasion as and when the Tucson's trip computer lets you know it needs doing.

Is the FB20 reliable? Other than the oil rings the FB20 is a pretty reliable little engine. Subaru designed the FB for efficiency and as such didn't utilize a very strong bottom end. The cars that use the FB20 aren't performance oriented at all either. For this reason modifying the FB20 engine is pretty much never done.

What is the difference between the FB20 and the FA20? FA20. Compared to the FB20 engine, which is undersquare with an 84 mm × 90 mm (3.31 in × 3.54 in) bore and stroke for 2.0 L (1,995 cm³) swept displacement, the FA20 is perfectly square with an 86 mm × 86 mm (3.39 in × 3.39 in) bore and stroke for 2.0 L (1,998 cm³) swept displacement.

How many cc is a FB20 engine? The FB20 engine had an open-deck, aluminium alloy block with 84.0 mm bores and a 90.0 mm stroke for a capacity of 1995 cc; within the cylinder bores, the FB20 engine had cast iron liners.

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What is engine code 0222?

What is engine code 0202? What Does the P0202 Code Mean? Diagnostic trouble code (DTC) code P0202 stands for “Cylinder 2 Injector Circuit/Open,” and indicates a potential problem with the #2 fuel injector circuit, like a broken wire, loose terminal, burned out injector coil, or some other circuit interruption issue.

What is engine code 0302?

What's Hello in dog language?

What is dog language called? DoggoLingo is an Internet language that is created from word conversion, meme lexicon, and onomatopoeia. Emerging in the 2010s, DoggoLingo is implied to be a dog's own idiom, and is presented as a canine's thought process.

How can I learn dog language? Speaking “dog” is not about mastering a specific language; instead, it's about understanding and responding to your dog's needs and emotions. The right way to speak to a dog is by using relaxed and open body language, a clear and medium tone, and consistent commands.

How do I tell my dog I love her in dog language?

How do dogs say bye? Dogs cannot verbally communicate a “goodbye,” but many veterinarians and pet owners report behaviors that suggest dogs might be aware of their impending death. These behaviors can be interpreted as a form of saying goodbye.

What is kisses in dog language? Dog Kisses Are Instinctual Dog licking is a form of communication and stimulation for dogs. What we term “dog kisses” are an instinctual urge that starts at birth. According to dog trainer, Victoria Stilwell, “Why is the dog licking?”

How do dogs say friends? Fren / Frend (friend) Good Boi (good boy — and there are no bad boys) Heck / H*ck/ Heckin / Heckin'/ Hekkin (darn/very — e.g. “that's a heckin' yum treato”) Henlo (hello)

Does my dog know I love him? Yes, your dog knows how much you love him! Dogs and humans have a very special relationship, where dogs have hijacked the human oxytocin bonding pathway normally reserved for our babies. When you stare at your dog, both your oxytocin levels go up, the same as when you pet them and play with them.

What is the heck in dog language? Heck is a dog's favorite swear word – although they don't really know any others. Alternative spelling of hello.

How do you say "hi" in dog barks? One or two sharp, mid-range pitch barks is a dog's way of saying “Hello!” Two or three little clusters of barks invite you to join the fun.

How do you say "sit in dog"?

Is it OK to teach your dog to speak? Teaching your dog to speak on command can be a fun trick as well as a useful behavior. It's easier to teach your dog to “quiet” once you've put barking on a cue.

How dogs say they love you? Cuddling with you Physical touch is a way for dogs to bond with other people and/or dogs. If your dog decides to snuggle up with you on the couch, take it as a sign that they love you and want to be close to you. If they plop down with a content sigh, that's a big plus!

How to tell your dog you're sorry? If you want to apologize to your dog, talk to them calmly and soothingly with a slightly high-pitched voice, the one we tend to use when talking to babies or puppies. You don't have to say “sorry”, but the words that you usually use to reward your dog when they behave correctly, such as “well done” or “good boy”.

Do dogs like being hugged? Experts in dog behavior believe that, in general, dogs do not like being embraced. However, every dog has a unique personality. Some may dislike hugs more strongly than others, and some may actually adore them. The closest thing our furry family members do to a hug is something referred to as 'standing over'.

How do dogs say I missed you? One of the best indicators that your dog misses you is his reaction when you return. Dogs will exhibit extreme excitement when their owner walks in – varying from jumping, excessive licking or running around in circles. Did your dog miss you? Their excitement is directly tied to their happiness to have you home.

How dogs say hello? Dogs don't shake hands like people do, they use their nose to say hello. So, hold your hand in a fist so they can approach and sniff if they choose. Don't thrust your hand at the dog. They can smell you just fine from a distance, and the sudden movement could startle them.

Do dogs know their names? Do Dogs Know Their Names? Studies have shown that dogs process language in a similar way that humans do, using both sides of their brain to understand body language, tone of voice, and context clues. With this method, dogs can learn many different words, including their own name and various nicknames.

Why does my dog stare at me? Sometimes they're looking for a signal that you might be about to take them for a walk or feed them a meal. If you've trained your dog to respond to hand or voice signals, they might be waiting for a signal to tell them what to do next. Other times, they're just observing you so that they can know more about you.

Why do dogs like tummy rubs? This calming sensation triggers a specific reaction in their brain that responds to hair follicle stimulation. Dogs, like humans, also release endorphins and oxytocin through methods of touch, so rubbing a dog's belly can help with bonding and affection. Ultimately, dogs like belly rubs because they feel good!

Is kissing dogs OK? Kissing pets has also been linked to occasional zoonotic infections in pet owners. In one case, a woman in Japan developed meningitis due to a *Pasteurella multocida* infection after regularly kissing her dog's face. These bacteria are often found in the oral cavities of dogs and cats.

Do dogs see us as parents? It's hard to say whether your dog understands this as a parent/child relationship. But lots of dogs sure act like we're their mom or dad. For

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instance, some dogs see us as a "secure base," which is a phrase used to describe the relationship between an infant and their parent.

How to call a dog in a cute way?

How do you say "I love you" in dog language? Loving gazes You can communicate back to them using the same language of eye contact. When a dog gives you long, lingering eye contact, it's a way of saying "I love you." A recent study shows that oxytocin, the 'love chemical,' goes up in both dogs and humans when they share a kind gaze.

Does my dog know I'm sad? Previous research has shown that when humans cry, their dogs also feel distress. Now, the new study finds that dogs not only feel distress when they see that their owners are sad but will also try to do something to help. The findings were published today (July 24) in the journal Learning and Behavior.

Does my dog think I'm a dog? Dogs and humans have lived side-by-side for millennia. Yet even though they have a long history as "man's best friend," your dog does recognize that you're not a dog. "Dogs can clearly distinguish a species difference," says Dr.

Do dogs have a favorite person? It's okay when dogs choose a favorite person. In fact, it's natural! As social animals, dogs choose the person or people who give them plenty of love, attention, and positive experiences. Let your dog be a dog and enjoy hanging out with and being in that person's presence, whether it's you or someone else.

How do you say sorry in dog language?

Should I say bad dog? It's easy to lose your temper with your dog when he performs a bad behavior. At first, it seems as though that's the best way to deal with the situation. However, shouting at your dog when he does something bad is not an effective way to correct him.

Do dogs understand the word shut up? Most dogs don't know what you want when you yell at them to "shut up." So, train your dog to understand the word "Quiet!"

Which dog can't bark? The Basenji or Africa's "Barkless Dog" is a unique breed and contender for the title of oldest AKC breed. While it's true the Basenji doesn't bark, when they express themselves they make a unique sound that is something between a chortle and a yodel.

How to teach your dog to say I love you? Your dog can learn quickly by imitating your speech. Tell your dog "I love you" with a soft emphasis on the "I," a loud emphasis on "love," and back to softer tone with "you."

How do I tell my dog hello?

What is a dog greeting? Dogs greet with loose body language, lots of curves through their necks and backs. They initially turn to sniff each other's butts. If one dog turns or moves away the other dog does not follow. If one dog does not want to interact a polite dog will see this and continue walking without stopping to say hi.

How should I greet my dog? Rather than approaching head on—which could be perceived as aggressive—assume a nonthreatening posture by keeping your side or back toward the dog. Some dogs are more apt to approach if you kneel or squat down.

How do animals say hello?

How do dogs greet us? Canines greet humans in many ways to show affection and love. Common greeting behaviours include smiling, licking, leaning, jumping and excessive tail wagging. This means the dog is friendly and excited to greet their owners or visitors.

How dogs say they love you? Cuddling with you Physical touch is a way for dogs to bond with other people and/or dogs. If your dog decides to snuggle up with you on the couch, take it as a sign that they love you and want to be close to you. If they plop down with a content sigh, that's a big plus!

How do dogs say thanks? Bringing toys: If your dog picks up a ball or something else and bring it to you then it could mean that he is trying to give you a gift. This is their way to say thank you and say that are important for them. Licking: Dogs often show their appreciation by licking their owners' faces, hands or feet.

How can I say hi to my dog?

Can dogs say hi? Dogs don't shake hands like people do, they use their nose to say hello. So, hold your hand in a fist so they can approach and sniff if they choose.

How do you say "hi" in dog barks? One or two sharp, mid-range pitch barks is a dog's way of saying "Hello!" Two or three little clusters of barks invite you to join the fun.

How do you say hello in dog slang? All doggos want you to be as happy as they are in everything you do. Heck is a dog's favorite swear word – although they don't really know any others. Alternative spelling of hello. Doggos love saying henlo to everyone – and everything – they meet.

How do I tell my dog hello? Avoid petting the dog's head, instead stroke the shoulders or chest. If the dog seems interested and happy to see you, you can kneel down to the dog's level to interact. After 30 seconds or so you should have a better idea of whether or not the dog is interested in your attention.

How do animals say sorry? One of the common ways your dog will try to say sorry is by making "puppy eyes" or tucking its tail between its legs. Avoiding eye contact and lowering their ears are also common ways for dogs to apologize. They also watch for your reaction.

How do dogs say hello to each other? According to Dr. John Bradshaw, PhD, males typically sniff the area under the tail right away, while most females initially go for the head. If the greeting is going well, the dogs' bodies will be relaxed.

Do dogs lick to say hi? Dogs groom with their tongues, and so licking is their way of greeting, bonding and showing affection. We explore the world with our hands, while dogs use their mouths and tongues to help them understand their environment, and to assess the mood of others.

Why does my dog stare at me? Sometimes they're looking for a signal that you might be about to take them for a walk or feed them a meal. If you've trained your dog to respond to hand or voice signals, they might be waiting for a signal to tell them what to do next. Other times, they're just observing you so that they can know

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more about you.

How do I tell if my dog loves me?

Is there an official dictionary for English? The Oxford English Dictionary (OED) is widely accepted as the most complete record of the English language ever assembled. Unlike typical language dictionaries, which only define words in terms of their current uses and meanings, the OED is a historical dictionary.

What is the official online dictionary? Merriam-Webster: America's Most Trusted Dictionary.

What is the best online dictionary for English?

What is the best dictionary for research? Oxford Dictionary: It is the ideal dictionary to use when translating thesis, research papers and formal papers.

Is Merriam-Webster credible? Other publishers may use the name Webster, but only Merriam-Webster products are backed by over 150 years of accumulated knowledge and experience. The Merriam-Webster name is your assurance that a reference work carries the quality and authority of a company that has been publishing since 1831.

What is the American version of the Oxford dictionary? As Oxford's flagship American dictionary, the New Oxford American Dictionary sets the standard of excellence for lexicography in this country.

Are online dictionaries credible? Merriam-Webster Dictionary is America's most trusted online dictionary for English word definitions, meanings, and pronunciation. The largest and most trusted free online dictionary for British and American English, including definitions, images, example sentences, and synonyms.

What dictionary do Americans use? "Webster's" has since become a genericized trademark in the United States for English dictionaries, and is widely used in dictionary titles. Merriam-Webster is the corporate heir to Noah Webster's original works, which are in the public domain.

What is the difference between Merriam-Webster and Oxford dictionary? The main difference between the two dictionaries is that MW is an American publisher, and their flagship monolingual dictionary is American English and Oxford is a British publisher and publishes primarily British English.

Which is more credible, Merriam-Webster or Oxford Dictionary? However, Merriam-Webster is the largest and most reputable of the U.S. dictionary publishers, regardless of the type of dictionary (general, geographical, biographical, or a thesaurus). Some of the additional reliable American publishers are Oxford University Press, Random House, Macmillan, and American Heritage.

Which dictionary is better than Oxford? While the Oxford English Dictionary gives you the meaning of the word as well as its origin, the Cambridge Dictionary gives a more practical explanation along with an example of how to use the word in a sentence.

What is the most authoritative online dictionary? Considered the most authoritative and comprehensive English language dictionary in the world. Includes information on the English language, its history, and the social, cultural, and political influences that have shaped the language through the centuries.

What dictionary do scientists use? New Oxford Dictionary for Scientific Writers and Editors - Oxford Reference.

What is the last word in the Oxford Dictionary? Louis's favorite word, "Zyzzzyva," which now has the unique distinction of being the OED's last word. It's a noun, pronounced "zih-zih-vah" and defined as "a genus of tropical weevils (family Curculionidae) native to South America and typically found on or near palm trees."

What are the most advanced dictionaries? The Oxford Advanced Learner's Dictionary is the world's bestselling advanced level dictionary for learners of English.

What is disadvantage Merriam-Webster? : lacking in the basic resources or conditions (such as standard housing, medical and educational facilities, and civil rights) believed to be necessary for an equal position in society. disadvantagedness.
?dis-?d-?van-tijd-n?s. noun.

What is downside Merriam? 1. : a downward trend (as of prices) 2. : a negative aspect.

What is the most trusted dictionary website? The Oxford English Dictionary (OED) is widely regarded as the accepted authority on the English language. It is an unsurpassed guide to the meaning, history, and usage of 500,000 words and phrases past and present, from across the English-speaking world.

What is a fluffle? Did you know that a group of bunnies is called a fluffle? A fluffle is what our neighbors to the north, in Canada, call a group or herd of rabbits. Here at Lake Champlain Chocolates, we know a thing or two about fluffles — fluffles of gourmet chocolate bunnies that is!

What is the first word in the American dictionary? The first word in Webster's Seventh New Collegiate Dictionary (G.C.Merriam, 1963), is “a”, the second is “an”, and the third is “aardvark”.

What is the meaning of WWW? proper noun. The World Wide Web is a computer system which links documents and pictures into a database that is stored in computers in many different parts of the world and that people everywhere can use.

What is the official dictionary of England? The Oxford English Dictionary (OED) is widely regarded as the accepted authority on the English language.

What is the difference between Oxford and English dictionary? Finding the Oxford English Dictionary As a historical dictionary, the OED is very different from those of current English, in which the focus is on present-day meanings. You'll still find these in the OED, but you'll also find the history of individual words used for a particular concept or meaning over time.

What is the difference between Cambridge English dictionary and Oxford English Dictionary? When it comes to definitions, Cambridge and Oxford take fairly different approaches. While the Oxford English Dictionary gives you the meaning of the word as well as its origin, the Cambridge Dictionary gives a more practical explanation along with an example of how to use the word in a sentence.

What is the most advanced English dictionary? The Oxford Advanced Learner's Dictionary is the world's bestselling advanced level dictionary for learners of English.

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