KOCETAL® K300 Data Sheet

Acetal (POM) Copolymer

Supplied by Kolon Plastics, Inc.

KOCETAL® K300 Data Sheet
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Product Description
Kocetal K300 is a general injection molding grade with a good mechanical property for wide range.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America • South America
Features	• General Purpose
Uses	• General Purpose
RoHS Compliance	•
Automotive Specifications	•
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)		g/10 min	ASTM D1238
Water Absorption (Equilibrium, 73°F, 60%RH)		%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method

Tensile Strength		psi	ASTM D638
Tensile Elongation (Yield, 73°F)		%	ASTM D638
Flexural Modulus (73°F)		psi	ASTM D790
Flexural Strength (73°F)		psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)		ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)			ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed		°F	
264 psi, Unannealed		°F	
Vicat Softening Temperature		°F	ASTM D1525
Melting Temperature [2]		°F	ASTM D3418
CLTE - Flow		in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity		ohm	ASTM D257
Volume Resistivity		ohm·cm	ASTM D257
Dielectric Strength		V/mil	ASTM D149
Dielectric Constant			ASTM D150
Dissipation Factor (1 MHz)			ASTM D150
Arc Resistance		sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

Related Terminology

Product names can be difficult to match. You may have searched any one of these terms to find this product: KOCETAL® K300, KOCETAL K300, KOCETAL® , KOCETAL, KOCETALK300, K 300, K300, Acetal Copolymer, Acetal Copolymer, Acetal (POM) Copolymer, Acetal POM Copolymer, Acetal, pom, Kolon, AcetalPOMCopolymer, 300K

Automotive Specifications

This plastic material has approval for 1 automotive specifications from the following agencies (the number in parentheses shows the number of specifications for that agency): GM (1).

Notes

[1]Typical properties: these are not to be construed as specifications.

[2]10°C/min