



Dow Polyurethanes

DURAMOULD™ Polyurethane Systems for Mould Making and prototyping

Typical Properties

	DURAMOULD EM 75D	DURAMOULD EMF 85D	DURAMOULD ET 30A	DURAMOULD ET 1045	DURAMOULD ET 1060	DURAMOULD SM 25A	DURAMOULD SM 35A	DURAMOULD SMX 45
Application Method	Cast	Cast	Cast	Cast	Cast	Cast	Cast	Cast
Shore Hardness (°A)	75°D	80 - 85	30	45	60	25	35	45
Tensile Strength(MPa)	51		5	5.4	10.5	12		17
Flexural Strength MPa	68	70						
Flexural Modulus Mpa	1750	2600						
100% Modulus (Mpa)			0.7	1.2	2.2			0.9
200% Modulus Mpa						3.5		
Elongation at Break (%)	8		950	1000	1000	750	700	710
Angle Tear Strength (N/mm)			14.5	24	33	12	20	20
Izod Impact Strength (Notched) KJ/m2	10	4						
Compression set % (22hrs @ 70° C)						20	20	
Rebound Resilience %								55
Gel Time (100g at 25°C)	8½–9½ mins	4–5 mins	15–25 mins	20–28 mins	10–20 mins			
Gel Time (100g at 40°C)						12½–19½ mins	12½–19½ mins	6½–9½ mins
Demould Time*	30 mins					60–120 mins	45–60 mins	

Typical applications using this product are:

Finishing - Metal Protection

Industrial parts Undefined

Dunnage

* Dependant on mould size and shape

Dow Polyurethanes
Station Road, Birch Vale
High Peak, Derbyshire
SK22 1BR UK

T: +44 (0) 1663 746518
F: +44 (0) 1663 746605
E: help@dowhyperlast.com

www.dowhyperlast.com

International

Europe / Middle East + 800 36 94 63 67
Italy + 800 783 825
Asia / Pacific + 800 77 76 77 76
+ 60 37 958 3392
South Africa + 800 99 5078

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