

POLYelast TPE ZC500 D40

Thermoplastic Elastomer

Polykemi AB

Message:

POLYelast TPE ZC500 D40 is a Thermoplastic Elastomer (TPE) product. It is available in Asia Pacific or Europe.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90 to 1.1	%	
Flow	0.90 to 1.1	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11.0	MPa	ISO 527-2
Tensile Strain (Break)	480	%	ISO 527-2
Flexural Modulus (23°C)	510	MPa	ISO 178
Flexural Stress	13.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	36	kJ/m ²	
23°C	26	kJ/m ²	
Thermal	Nominal Value	Unit	
Service Temperature	-50 to 100	°C	

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