

POLYelast TPE EC12 D55

Polypropylene + EPDM Rubber

Polykemi AB

Message:

POLYelast TPE EC12 D55 is a Polypropylene + EPDM Rubber (PP+EPDM) product. It is available in Asia Pacific or Europe.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	19.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	11	%	
Break	520	%	
Flexural Modulus (23°C)	1150	MPa	ISO 178
Flexural Stress	27.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	25	kJ/m ²	
23°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	83.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50
NOTE			
1.	120°C/hr		

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