

POLYelast TPE HJ-75 UV1

Polypropylene + EPDM Rubber

Polykemi AB

Message:

PP/Elastomer/Mineral UV-stabilized, Low CLTE

General Information			
Filler / Reinforcement	Mineral, 12% Filler by Weight		
Additive	UV Stabilizer		
Features	Low CLTE		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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	18.0	MPa	ISO 527-2
Tensile Strain (Break)	> 100	%	ISO 527-2
Flexural Modulus (23°C)	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-20°C)	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Notched Izod Impact Strength (-30°C)	7.0	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/A50
CLTE - Flow	6.5E-5	cm/cm/°C	Internal Method
NOTE			
1.	120°C/hr		

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