

POLYelast TPE R44 T10

Polypropylene + EPDM Rubber
Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2 to 1.4	%	
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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	19.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus (23°C)	750	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	15	kJ/m ²	
23°C	28	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Vicat Softening Temperature	132	°C	ISO 306/A50
NOTE			
1.	120°C/hr		

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