

POLYelast TPE 10012 R3

Polypropylene + EPDM Rubber

Polykemi AB

Message:

PP/Elastomer Mineral reinforced

General Information			
Filler / Reinforcement	Mineral, 12% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.0	%	
Flow	0.80 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	18.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	10	%	
Break	200	%	
Flexural Modulus (23°C)	1100	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	28	kJ/m ²	
23°C	30	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	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	124	°C	ISO 306/A50
--	50.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5 to 8.0E-5	cm/cm/°C	Internal Method
NOTE			
1.	120°C/hr		

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