

POLYelast TPE R44

Polypropylene + EPDM Rubber

Polykemi AB

Message:

POLYelast TPE R44 is a Polypropylene + EPDM Rubber (PP+EPDM) product filled with 5.0% filler. It is available in Asia Pacific or Europe.

General Information			
Filler / Reinforcement	Filler,5.0% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.3 to 1.5	%	
Flow	1.3 to 1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	15.0	MPa	ISO 527-2
Flexural Modulus (23°C)	700	MPa	ISO 178
Flexural Stress	22.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	28	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	87.0	°C	ISO 75-2/B
Vicat Softening Temperature	135	°C	ISO 306/A50
NOTE			
1.	120°C/hr		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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