

POLYfill PP EIP5025 F VT2

Polypropylene + EPDM Rubber

Polykemi AB

Message:

Mineral reinforced PP Modified, Heat resistant

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	High Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90 to 1.1	%	
Flow	0.90 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	1900	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	2.5	kJ/m ²	
-30°C	3.5	kJ/m ²	
-20°C	5.0	kJ/m ²	
23°C	15	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	32	kJ/m ²	
-30°C	No Break		
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	149	°C	ISO 306/A50
--	73.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	HB	UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	°C IEC 60695-2-13
NOTE		
1.	120°C/hr	

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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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