

Sarlink® TPE FM-2270 XRD1 (PRELIMINARY DATA)

Thermoplastic Elastomer
Teknor Apex Company

Message:

Sarlink FM-2270 XRD1 is a general purpose thermoplastic elastomer, available in NAT, BLK, and colors, designed for automotive interior applications, including floor mats. Sarlink FM-2270 XRD1 is a UV stabilized, medium hardness, high density, wear-resistant, filled grade with good wear resistance and suitable for injection molding.

General Information			
Features	High specific gravity		
	High density		
	Good UV resistance		
	Workability, good		
	Good coloring		
	Good wear resistance		
	Good adhesion		
	Medium liquidity		
	Good chemical resistance		
	Good wear resistance		
	Lubrication		
	Fill		
	Medium hardness		
Uses	Application in Automobile Field		
	Car interior parts		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
	Black		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness		ISO 868
Shore A, 1 second, injection molding	73	ISO 868
Shore A, 5 seconds, injection molding	71	ISO 868
Shore A, 15 seconds, injection molding	70	ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.80	MPa	ISO 37
Tensile Stress (Break)	5.00	MPa	ISO 37
Tensile Elongation (Break)	700	%	ISO 37
Tear Strength	24	kN/m	ISO 34-1

Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	199 - 210	°C
Middle Temperature	204 - 216	°C
Front Temperature	210 - 221	°C
Nozzle Temperature	216 - 227	°C
Processing (Melt) Temp	216 - 227	°C
Mold Temperature	35 - 66	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	rpm
Cushion	3.81 - 25.4	mm

Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

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