

Sarlink® TPE FM-1161N

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink FM-1161N is a general purpose TPE suitable for vehicle floor mats, exhibiting excellent haptics and surface appearance, as well as scratch and mar resistance.

General Information	
Features	High specific gravity High density smoothness Light stabilization Medium liquidity Fill Medium hardness
Uses	Application in Automobile Field Car interior parts
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	8.20	MPa	ASTM D412
Tensile Elongation (Break)	830	%	ASTM D412
Tear Strength	21.0	kN/m	ASTM D624
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	35.0 - 65.6	°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.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	193 - 204	°C
Cylinder Zone 2 Temp.	199 - 210	°C
Cylinder Zone 3 Temp.	204 - 216	°C
Cylinder Zone 5 Temp.	210 - 221	°C
Die Temperature	216 - 227	°C

Extrusion instructions

螺杆转速30 - 100 rpm

NOTE

1. 510 mm/min

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