

Sarlink® TPE FM-2166N

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE FM-2166N is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding. Sarlink® The main characteristics of TPE FM-2166N are: sunlight resistance.

Sarlink® The typical application field of TPE FM-2166N is: automobile industry

General Information			
Features	Sunlight Resistant		
	High specific gravity		
	High density		
	smoothness		
	Light stabilization		
	Low 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	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	68		ASTM D2240
Shaw A, 5 seconds	66		ASTM D2240
Shaw A, 15 seconds ¹	64		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	5.52	MPa	ASTM D412
Tensile Elongation (Break)	680	%	ASTM D412
Tear Strength ³	22.8	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	< -60.0	°C	ASTM D746
Additional Information	Nominal Value		
Volatile-Atomization, 3 hours, 100°C,21°C plate = 93%	92.0		
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.	Sit on the table		
2.	510 mm/min		
3.	510 mm/min		

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