

# Sarlink® TPE FM-2669 (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

## Message:

Sarlink TPE FM-2669 is a general purpose thermoplastic elastomer available in Nat, Blk, and colors, used in a variety of automotive interior applications including floor mats. Sarlink TPE FM-2669 is a UV stabilized, medium hardness, high density, wear-resistant grade suitable for extrusion, injection molding, or thermoforming.

General Information			
Features	High specific gravity		
	High density		
	Good UV resistance		
	Workability, good		
	Good coloring		
	Good adhesion		
	Low liquidity		
	Good chemical resistance		
	Good wear resistance		
	Good toughness		
	Fill		
	Medium hardness		
Uses	Application in Automobile Field		
	Car interior parts		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness		ISO 868
Shore A, 1 second, injection molding	79	ISO 868
Shore A, 5 seconds, injection molding	75	ISO 868
Shore A, 15 seconds, injection molding	74	ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	6.00	MPa	ISO 37
Tensile Elongation (Break)	500	%	ISO 37

#### Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	227 - 249	°C
Middle Temperature	227 - 249	°C
Front Temperature	227 - 249	°C
Nozzle Temperature	227 - 249	°C
Processing (Melt) Temp	227 - 249	°C
Mold Temperature	16 - 32	°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

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	216 - 238	°C
Cylinder Zone 2 Temp.	216 - 238	°C
Cylinder Zone 3 Temp.	216 - 238	°C
Cylinder Zone 4 Temp.	216 - 238	°C
Cylinder Zone 5 Temp.	216 - 238	°C
Die Temperature	216 - 238	°C

#### Extrusion instructions

Screw Speed: 30 to 100 rpm

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