

Sarlink® TPE ME-2180B (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink TPE ME-2100 Series are general purpose thermoplastic elastomers designed for exterior automotive molding applications. Sarlink TPE ME-2180B is a medium hardness, high density, filled grade having good UV resistance.

General Information			
Features	High specific gravity		
	High density		
	Good UV resistance		
	Workability, good		
	Good liquidity		
	Good flexibility		
	Good adhesion		
	Good chemical resistance		
	Good toughness		
	Medium hardness		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	2.76	MPa	ASTM D412
300% strain	3.52	MPa	ASTM D412
Tensile Strength (Break)	8.62	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength	28.0	kN/m	ASTM D624
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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