Sarlink® TPE ME-2160B (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-2160B 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 Fill 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**
Density	1.17	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (5 seconds)	56		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	1.30	MPa	ISO 37
Tensile Strength (Break)	6.60	MPa	ISO 37
Tensile Elongation (Break)	870	%	ISO 37
Compression Set (70°C, 22 hr)	44	%	ISO 815
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (200°C, 206 sec^-1)	116	Pa·s	ISO 11443
Legal statement			

Injection	Nominal Value	Unit
Rear Temperature	165 - 175	°C
Middle Temperature	175 - 185	°C
Front Temperature	187 - 197	°C
Nozzle Temperature	187 - 197	°C
Processing (Melt) Temp	187 - 197	°C
Mold Temperature	20 - 40	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Moderate-Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 100	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 176°F (80°C)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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