+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE ME-2170B (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink TPE ME-2100 Series are general purpose thermoplastic elastomers designed for exterior automotive molding applications. Sarlink TPE ME-2170B is a medium hardness, high density, filled grade having good UV resistance.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Flow	• Good Processability • Good Toughness • High Density	• High Specific Gravity • Medium Hardness • UV Resistant
Uses	• Automotive Applications	• Automotive Exterior Parts	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	232	psi	ISO 37
Tensile Strength (Break)	1000	psi	ISO 37
Tensile Elongation (Break)	750	%	ISO 37
Compression Set (158°F, 22 hr)	46	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec)	72		ISO 868
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	115	Pa·s	ISO 11443

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	329 to 347	°F
Middle Temperature	347 to 365	°F
Front Temperature	369 to 387	°F
Nozzle Temperature	369 to 387	°F
Processing (Melt) Temp	369 to 387	°F
Mold Temperature	68 to 104	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Moderate-Fast	

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Injection	Nominal Value	Unit
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 176°F (80°C).

Notes

[1] Typical properties: these are not to be construed as specifications.