



Sarlink® TPE ME-2160B (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-2160B 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 • Filled • Good Adhesion • Good Flexibility	• 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	1.17	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	189	psi	ISO 37
Tensile Strength (Break)	957	psi	ISO 37
Tensile Elongation (Break)	870	%	ISO 37
Compression Set (158°F, 22 hr)	44	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (5 sec)	56		ISO 868
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	116	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	24.9 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.