



Sarlink® TPE ME-2380-02 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink ME-2380-02 is a high performance thermoplastic elastomer designed for automotive molded applications. Sarlink ME-2380-02 is a medium hardness, low density, light stabilized grade delivering excellent aesthetics and good injection molding cycle times.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Color Stability • Good Colorability • Good Mold Release	• Good Moldability • Good Processability • Good Surface Finish • High Flow • High Slip	• Light Stabilized • Low Density • Low Specific Gravity • Medium Hardness • Resilient
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Exterior Trim	• Automotive Interior Parts • Automotive Interior Trim • Handles	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Colors Available	• Natural Color • Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ²			ISO 37
Across Flow : 100% Strain	406	psi	
Flow : 100% Strain	464	psi	
Tensile Stress ²			ISO 37
Across Flow : Break	1230	psi	
Flow : Break	1310	psi	
Tensile Elongation ²			ISO 37
Across Flow : Break	710	%	
Flow : Break	690	%	
Tear Strength ³			ISO 34-1
Across Flow	188	lbf/in	
Flow	183	lbf/in	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Instant, Injection Molded	82		
Shore A, 5 sec, Injection Molded	79		
Shore A, 15 sec, Injection Molded	77		
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 207 sec ⁻¹)	146	Pa·s	ASTM D3835

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Processing Information		
Injection	Nominal Value	Unit
Rear Temperature	360 to 400	°F
Middle Temperature	380 to 420	°F
Front Temperature	420 to 460	°F
Nozzle Temperature	420 to 460	°F
Processing (Melt) Temp	420 to 460	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	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 150°F (65°C).

Notes

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

² Type 1, 20 in/min

³ Method Ba, Angle (Unnicked), 20 in/min