+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE EE-2280B (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

The Sarlink EE-2200 Series is a general purpose thermoplastic elastomer series, available in BLK, designed for automotive exterior extrusion applications. Sarlink EE-2280B is a medium hardness, high density, UV stabilized grade with very good extrudability.

General

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

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 37
Across Flow : 100% Strain	435	psi	
Flow : 100% Strain	551	psi	
Tensile Stress			ISO 37
Across Flow : Break	1830	psi	
Flow : Break	1170	psi	
Tensile Elongation			ISO 37
Across Flow : Break	720	%	
Flow : Break	610	%	
Tear Strength - Across Flow	223	lbf/in	ISO 34-1
Compression Set			ISO 815
73°F, 22 hr	31	%	
158°F, 22 hr	49	%	
257°F, 70 hr	84	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A	83		
Shore A, 15 sec	80		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	310	Pa·s	ASTM D3835

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Processing Information		
Extrusion	**Nominal Value**	**Unit**
Cylinder Zone 1 Temp.	380 to 400	°F
Cylinder Zone 2 Temp.	390 to 410	°F
Cylinder Zone 3 Temp.	400 to 420	°F
Cylinder Zone 4 Temp.	410 to 430	°F
Cylinder Zone 5 Temp.	410 to 430	°F
Die Temperature	420 to 440	°F
Extrusion Notes		
Screw Speed: 30 to 100 rpm		

Notes

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