+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE EE-1195B (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

The Sarlink EE-1100 Series is a general purpose thermoplastic elastomer series, available in BLK, designed for demanding automotive extrusion applications including backbone for window encapsulation. Sarlink EE-1195B is a high hardness, high density grade with low CLTE, good chemical resistance and elastic performance.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Balanced Stiffness/Toughness • Chemical Resistant • Good Adhesion	• Good Processability • High Density • High Hardness	• High Specific Gravity • Resilient
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Exterior Trim • Automotive Window Encapsulation	• General Purpose • Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 37
Across Flow : 100% Strain	986	psi	
Flow : 100% Strain	798	psi	
Tensile Strength			ISO 37
Across Flow : Break	1960	psi	
Flow : Break	1800	psi	
Tensile Elongation			ISO 37
Across Flow : Break	660	%	
Flow : Break	580	%	
Tear Strength			ISO 34-1
Across Flow	343	lbf/in	
Flow	297	lbf/in	
Compression Set (158°F, 22 hr)	62	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ISO 868
Shore D, 1 sec	43		
Shore D, 5 sec	39		

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Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
230°F, 1008 hr	-26	%	
257°F, 168 hr	-11	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
230°F, 1008 hr	-17	%	
257°F, 168 hr	-11	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 230°F, 1008 hr	3.8		
Shore A, 257°F, 168 hr	0.30		

Additional Information	Nominal Value	Unit
Apparent Shear Viscosity - @ 206 1/sec (392°F)	240	Pa·s

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	340 to 380	°F
Cylinder Zone 2 Temp.	350 to 390	°F
Cylinder Zone 3 Temp.	360 to 400	°F
Cylinder Zone 4 Temp.	360 to 400	°F
Cylinder Zone 5 Temp.	370 to 400	°F
Die Temperature	370 to 400	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm; predrying is suggested for enhanced bonding for coextrusion.

Notes

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