+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE BL-1280N

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink BL-1280N is a high performance thermoplastic elastomer designed for automotive applications, including under the hood. Sarlink BL-1280N is a high hardness, medium density grade with excellent melt strength for blow molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Melt Strength	• Good Processability • High Hardness	• Medium Density
Uses	• Automotive Applications • Automotive Under the Hood	• Blow Molding Applications • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• FORD WSB-M2D467-A [1]		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Blow Molding		

ASTM & ISO Properties [2]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	500	psi	ASTM D412
Tensile Stress (300% Strain)	650	psi	ASTM D412
Tensile Strength (Break)	1630	psi	ASTM D412
Tensile Elongation (Break)	740	%	ASTM D412
Tear Strength	250	lbf/in	ASTM D624
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F
Middle Temperature	350 to 390	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	370 to 410	°F
Processing (Melt) Temp	370 to 410	°F
Mold Temperature	77 to 150	°F

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Injection	Nominal Value	Unit
Injection Pressure	200 to 1000	psi
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 50.0	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	330 to 370	°F
Cylinder Zone 2 Temp.	340 to 380	°F
Cylinder Zone 3 Temp.	350 to 390	°F
Cylinder Zone 5 Temp.	360 to 400	°F
Die Temperature	374 to 410	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

[1] (Formerly approved under 90-T3030A-80)

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