+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE EE-2280N NAT

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink EE-2280N NAT is a general purpose thermoplastic elastomer designed for automotive applications, including exterior extruded components. Sarlink EE-2280N NAT is a medium hardness, high density, filled, resilient grade that exhibits good processability.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Filled • Good Adhesion • Good Colorability	• Good Flexibility • Good Processability • Good Surface Finish • High Density	• Medium Hardness • Resilient
Uses	• Automotive Applications	• Automotive Exterior Parts	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	435	psi	ISO 37
Tensile Strength (Break)	1830	psi	ISO 37
Tensile Elongation (Break)	720	%	ISO 37
Compression Set (158°F, 22 hr)	49	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec)	80		ISO 868
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	310	Pa·s	ISO 11443

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	338 to 374	°F
Middle Temperature	347 to 383	°F
Front Temperature	356 to 392	°F
Nozzle Temperature	356 to 401	°F
Processing (Melt) Temp	365 to 410	°F
Mold Temperature	95 to 140	°F

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Injection	Nominal Value	Unit
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
Extrusion	**Nominal Value**	**Unit**
Cylinder Zone 1 Temp.	338 to 383	°F
Cylinder Zone 2 Temp.	356 to 392	°F
Cylinder Zone 3 Temp.	356 to 401	°F
Cylinder Zone 4 Temp.	356 to 401	°F
Cylinder Zone 5 Temp.	356 to 410	°F
Die Temperature	356 to 410	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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