



# 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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm <sup>3</sup>	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 <sup>-1</sup> )	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
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	

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<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in

  

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.