Sarlink® TPE EE-2280N NAT

Thermoplastic Elastomer

Teknor Apex Company

Message:

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 Information			
Features	High density		
	Workability, good		
	Good flexibility		
	Good coloring		
	Good adhesion		
	Good chemical resistance		
	Fill		
	Excellent appearance		
	Elastic		
	Medium hardness		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.18	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec)	80		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	3.00	MPa	ISO 37
Tensile Strength (Break)	12.6	MPa	ISO 37
Tensile Elongation (Break)	720	%	ISO 37
Compression Set (70°C, 22 hr)	49	%	ISO 815
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (200°C, 206 sec^-1)	310	Pa·s	ISO 11443
Legal statement			

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Injection	Nominal Value	Unit
Rear Temperature	170 - 190	°C
Middle Temperature	175 - 195	°C
Front Temperature	180 - 200	°C
Nozzle Temperature	180 - 205	°C
Processing (Melt) Temp	185 - 210	°C
Mold Temperature	35 - 60	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	rpm
Cushion	3.81 - 25.4	mm

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170 - 195	°C
Cylinder Zone 2 Temp.	180 - 200	°C
Cylinder Zone 3 Temp.	180 - 205	°C
Cylinder Zone 4 Temp.	180 - 205	°C
Cylinder Zone 5 Temp.	180 - 210	°C
Die Temperature	180 - 210	°C

Extrusion instructions
螺杆转速30 - 100 rpm

Recommended distributors for this material

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