

Sarlink® TPV X6165N

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® X6165N is an engineered material designed primarily for demanding consumer, building & construction, and automotive interior applications. Available only in natural. Sarlink® X6165N exhibits excellent compression set and flex fatigue, high and low temperature performance. The material can be processed by injection molding, blow molding and extrusion for applications such as building profiles, interior car applications, colored compounds and tube, boots and bellows.

General Information	
Features	Low compressive deformability Good flexibility Heat resistance, high
Uses	Constant angular velocity universal joint dust cover Pipe fittings Architectural application field Car interior equipment Consumer goods application field Profile
Appearance	Natural color
Forms	Particle
Processing Method	Blow molding Extrusion Profile extrusion molding Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A, 5 seconds, extruded	62		ISO 868
Shore A, 5 seconds, injection molding	62		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain	2.00	MPa	ISO 37
Flow: 100% strain	2.80	MPa	ISO 37
Tensile Stress			ISO 37
Acos flow: Yield	5.60	MPa	ISO 37
Flow: Yield	4.50	MPa	ISO 37

Tensile Elongation			ISO 37
Transverse flow: Fracture	690	%	ISO 37
Flow: Fracture	400	%	ISO 37
Compression Set			ISO 815
23°C, 72 hr	31	%	ISO 815
70°C, 22 hr	37	%	ISO 815
100°C, 22 hr	41	%	ISO 815
Injection	Nominal Value	Unit	
Rear Temperature	180 - 215	°C	
Middle Temperature	180 - 215	°C	
Front Temperature	180 - 215	°C	
Nozzle Temperature	187 - 220	°C	
Processing (Melt) Temp	185 - 220	°C	
Mold Temperature	10.0 - 55.0	°C	
Back Pressure	0.100 - 1.00	MPa	
Screw Speed	100 - 200	rpm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 200	°C	
Cylinder Zone 2 Temp.	180 - 205	°C	
Cylinder Zone 3 Temp.	187 - 210	°C	
Cylinder Zone 4 Temp.	187 - 210	°C	
Melt Temperature	195 - 215	°C	
Die Temperature	195 - 215	°C	
Take-Off Roll	20.0 - 50.0	°C	
Extrusion instructions			

Screen Pack: 20 to 60 meshScrew: 3:1 Compression Ratio

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