

Sarlink® TPV X6135N

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® X6135N is an engineered material designed primarily for demanding consumer and automotive interior applications. Available only in natural, Sarlink® X6135N exhibits excellent compression set and flex fatigue, high and low temperature performance. The material can be processed by injection molding and extrusion for applications such as soft touch, translucent applications, over molding grades and colored products.

General Information	
Features	Low compressive deformability Good flexibility Heat resistance, high Soft
Uses	overmolding Car interior equipment Consumer goods application field
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.876	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A, 5 seconds, extruded	30		ISO 868
Shore A, 5 seconds, injection molding	30		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain	0.700	MPa	ISO 37
Flow: 100% strain	0.900	MPa	ISO 37
Tensile Stress			ISO 37
Acos flow: Yield	2.60	MPa	ISO 37
Flow: Yield	2.20	MPa	ISO 37
Tensile Elongation			ISO 37
Transverse flow: Fracture	580	%	ISO 37
Flow: Fracture	420	%	ISO 37
Compression Set			ISO 815
23°C, 72 hr	21	%	ISO 815

70°C, 22 hr	27	%	ISO 815
100°C, 22 hr	32	%	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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Recommended distributors for this material

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