

Sarlink® TPV X6155N

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® X6155N is an engineered material designed primarily for demanding consumer and automotive interior applications. Available only in natural, Sarlink® X6155N 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 building profiles, interior car applications, colored applications, over molding and translucent products.

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

Physical	Nominal Value	Unit	Test Method
Density	0.882	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A, 5 seconds, extruded	53		ISO 868
Shore A, 5 seconds, injection molding	53		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain	4.90	MPa	ISO 37
Flow: 100% strain	1.90	MPa	ISO 37
Tensile Stress			ISO 37
Acos flow: Yield	3.90	MPa	ISO 37
Flow: Yield	4.00	MPa	ISO 37
Tensile Elongation			ISO 37
Transverse flow: Fracture	700	%	ISO 37
Flow: Fracture	450	%	ISO 37
Compression Set			ISO 815

23°C, 72 hr	27	%	ISO 815
70°C, 22 hr	33	%	ISO 815
100°C, 22 hr	36	%	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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