



Sarlink® TPV 6170N

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 6170N is a general purpose thermoplastic vulcanizate used in automotive and industrial applications. Sarlink TPV 6170N is a medium hardness, low density, RoHS compliant grade exhibiting superior compression set and chemical resistance. This grade is suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant • Good Adhesion • Good Colorability • Good Flexibility	• Good Flow • Good Processability • Low Density • Low Specific Gravity	• Medium Hardness • Resilient
Uses	• Automotive Applications • Automotive Interior Parts	• Consumer Applications • Industrial Applications	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.929	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	435	psi	
Flow : 100% Strain	624	psi	
Tensile Stress			ISO 37
Across Flow : Break	870	psi	
Flow : Break	783	psi	
Tensile Elongation			ISO 37
Across Flow : Break	510	%	
Flow : Break	340	%	
Compression Set (158°F, 22 hr)	46	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	72		
Shore A, 5 sec, Injection Molded	76		
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary ² (392°F)	165	Pa·s	ISO 11443

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	320 to 401	°F
Middle Temperature	356 to 401	°F
Front Temperature	356 to 401	°F
Nozzle Temperature	365 to 410	°F
Processing (Melt) Temp	365 to 420	°F
Mold Temperature	50 to 120	°F
Back Pressure	14.5 to 145	psi
Screw Speed	100 to 200	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

² 206 1/s