



Sarlink® TPV 6185N

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink® TPV 6100 series are engineered materials designed for consumer, automotive, and industrial applications requiring superior colorability and elastic performance. Sarlink® TPV 6185N is a higher hardness, low density, multi-purpose thermoplastic vulcanizate that does not require pre-drying and can be processed by injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Colorability	• Good Flow • Good Processability • High Hardness	• Low Density • Low Specific Gravity • Resilient
Uses	• Automotive Applications • Automotive Interior Parts	• Consumer Applications • Industrial Applications	• Rubber Replacement • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.945		ASTM D792
Density	0.943	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	653	psi	ASTM D412
Tensile Stress - Across Flow (100% Strain)	653	psi	ISO 37
Tensile Strength - Across Flow (Break)	1250	psi	ASTM D412
Tensile Stress - Across Flow (Break)	1250	psi	ISO 37
Tensile Elongation - Across Flow (Break)	650	%	ASTM D412
Tensile Elongation - Across Flow (Break)	650	%	ISO 37
Compression Set (158°F, 22 hr)	60	%	ASTM D395
Compression Set (158°F, 22 hr)	60	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec, Injection Molded)	86		ASTM D2240
Shore Hardness (Shore A, 5 sec, Injection Molded)	86		ISO 868
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary @ 206/s			
392°F	227	Pa·s	ASTM D3835
392°F	227	Pa·s	ISO 11443