



Sarlink® TPV 8145

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 8145 is a high performance thermoplastic vulcanizate used in automotive and industrial applications. Sarlink TPV 8145 is a low hardness, low density, RoHS compliant grade suitable for foam extrusion and profile extrusion.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Foamable	• Low Density	• Low Hardness
Uses	• Automotive Applications • Construction Applications	• Foam • Profiles	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Foam Extrusion	• Profile Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.920		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Across Flow : 100% Strain	174	psi	
Flow : 100% Strain	232	psi	
Tensile Strength			ASTM D412
Across Flow : Yield	653	psi	
Flow : Yield	392	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	620	%	
Flow : Break	320	%	
Tear Strength ²	118	lbf/in	ASTM D624
Compression Set			ISO 815
72°F, 22 hr	17	%	
158°F, 22 hr	27	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 5 sec, Extruded	44		
Shore A, 5 sec, Injection Molded	47		
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	300	Pa·s	ASTM D3835

Notes

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

² Type T