



Sarlink® TPV 11044D NAT XRD (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

SARLINK® TPV 11000 series slip-coat grades, including SARLINK® TPV 11044D NAT XRD, have been developed specifically for co-extrusion with excellent adhesion onto TPE materials (TPS or TPV). Together these materials create an effective system for automotive sealing applications such as glass run channels, waist belts, auxiliary seals, and other profiles or articles. SARLINK® TPV 11000 series can also be applied onto EPDM profiles; it is recommended to contact a Teknor Apex representative for additional support.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Bondability • Chemical Resistant • Good Adhesion • Good Processability	• High Hardness • High Heat Resistance • Low Compression Set • Low Density	• Low Friction • Low Specific Gravity • Specialty Grade • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Window Encapsulation	• Coating Applications • Industrial Applications • Rubber Replacement	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density			
--	0.940	g/cm ³	ASTM D792
--	0.940	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Glass - Dynamic)	0.28		ASTM D1894
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength - Across Flow			
Break	1310	psi	ASTM D412
Break	1310	psi	ISO 37
Tensile Elongation - Across Flow			
Break	300	%	ASTM D412
Break	300	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			
Shore D, 5 sec, Injection Molded	43		ASTM D2240
Shore D, 5 sec, Injection Molded	43		ISO 868
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity			
392°F, 206 sec ⁻¹	310	Pa·s	ASTM D3835
392°F, 206 sec ⁻¹	310	Pa·s	ISO 11443

Sarlink® TPV 11044D NAT XRD (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Vulcanizate

Additional Information

Co-extrudes with good adhesion to TPE-S;

Co-extrudes with good adhesion to TPV;

Co-extrudes with good adhesion to EPDM

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	3.0	hr
Cylinder Zone 1 Temp.	350 to 410	°F
Cylinder Zone 2 Temp.	360 to 420	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	380 to 440	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Notes

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