



Sarlink® TPV 2773 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 2773 is a general purpose thermoplastic vulcanizate used in automotive and industrial applications. Sarlink TPV 2773 is a medium hardness, low density grade exhibiting superior compression set and chemical resistance. This grade can be processed by injection molding and extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Colorability • Good Compression Set	• Good Moldability • Light Stabilized • Low Density	• Low Flow • Low Specific Gravity • Medium Hardness
Uses	• Automotive Applications • Automotive Instrument Panel	• Automotive Interior Parts • Automotive Interior Trim	
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• FORD WSS-M2D510-A7 ¹	• GM GMP.E/P.136	
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.950		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.73	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	500	psi	ASTM D412
Tensile Strength (Break)	950	psi	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	160	lbf/in	ASTM D624
Compression Set			ASTM D395B
73°F, 22 hr	25	%	
158°F, 22 hr	36	%	
212°F, 22 hr	40	%	
257°F, 22 hr	55	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	79		
Shore A, 5 sec	73		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°F	ASTM D746

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Injection	Nominal Value	Unit
Rear Temperature	344 to 416	°F
Middle Temperature	354 to 426	°F
Front Temperature	364 to 436	°F
Nozzle Temperature	374 to 446	°F
Processing (Melt) Temp	374 to 446	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	330 to 400	°F
Cylinder Zone 2 Temp.	340 to 410	°F
Cylinder Zone 3 Temp.	350 to 420	°F
Cylinder Zone 4 Temp.	360 to 430	°F
Cylinder Zone 5 Temp.	360 to 430	°F
Die Temperature	374 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

¹ (Formerly approved under Uniprene 7200-73 Natural)

² Typical properties: these are not to be construed as specifications.