



Sarlink® TPV 24815

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 24815 is a very low durometer thermoplastic vulcanizate designed for industrial applications. Sarlink TPV 24815 is a low hardness, low density, RoHS compliant grade suitable for injection molding and extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Mold Release • Good Moldability • Good Processability • Light Stabilized	• Low Density • Low Hardness • Low Specific Gravity • Lubricated	• Medium Flow • Slip
Uses	• Expansion Joint • Gaskets • Grommets	• Plugs • Shock Absorbing Pads • Tubing	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ²			ASTM D412
Across Flow : 100% Strain	66.0	psi	
Flow : 100% Strain	67.0	psi	
Tensile Stress ²			ASTM D412
Across Flow : 300% Strain	189	psi	
Flow : 300% Strain	185	psi	
Tensile Strength ²			ASTM D412
Across Flow : Break	280	psi	
Flow : Break	230	psi	
Tensile Elongation ²			ASTM D412
Across Flow : Break	420	%	
Flow : Break	380	%	
Tear Strength ²			ASTM D624
Across Flow	43.0	lbf/in	
Flow	40.0	lbf/in	
Compression Set ³			ASTM D395B
73°F, 22 hr	9.5	%	
158°F, 22 hr	27	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	22		
Shore A, 15 sec, Injection Molded	16		

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Processing Information		
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.	350 to 420	°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 Typical properties: these are not to be construed as specifications.

² Die C, 20 in/min

³ Type 1