



Sarlink® TPV 24824

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 24824 is a very low durometer thermoplastic vulcanizate designed for industrial applications. Sarlink TPV 24824 is a low hardness, low density, lubricated grade suitable for both 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 Flow • Low Hardness • Low Specific Gravity	• Lubricated • Microbe Resistant • Slip
Uses	• Expansion Joint • Gaskets • Grommets	• Plugs • Shock Absorbing Pads • Tubing	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.920		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ²			ASTM D412
Across Flow : 100% Strain	94.0	psi	
Flow : 100% Strain	97.0	psi	
Tensile Stress ²			ASTM D412
Across Flow : 300% Strain	254	psi	
Flow : 300% Strain	251	psi	
Tensile Strength ²			ASTM D412
Across Flow : Break	370	psi	
Flow : Break	336	psi	
Tensile Elongation ²			ASTM D412
Across Flow : Break	410	%	
Flow : Break	390	%	
Tear Strength ²			ASTM D624
Across Flow	53.0	lbf/in	
Flow	54.0	lbf/in	
Compression Set ³			ASTM D395B
73°F, 22 hr	10	%	
158°F, 22 hr	27	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	30		
Shore A, 5 sec, Injection Molded	26		

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Thermal	Nominal Value	Unit	Test Method
RTI Elec	122	°F	UL 746B
RTI Imp	122	°F	UL 746B
RTI Str	122	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 to 0.07 in, All Colors)	HB		UL 94

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