

Sarlink® TPV 24824

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® TPV 24824 is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding. Sarlink®The main characteristics of TPV 24824 are: flame retardant/rated flame.

Typical application areas include:
engineering/industrial accessories
building applications
Hose
application of coating

General Information	
UL YellowCard	E142591-101587581
Uses	Plug
	Washer
	Washer
	Pipe fittings
	Shock Absorbing Pad
	Weather-resistant sealing strip
	Expansion Joint
	Assembled glass
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	30		ASTM D2240
Shaw A, 5 seconds	26		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	0.621	MPa	ASTM D412
Flow: 100% strain	0.634	MPa	ASTM D412
Transverse flow: 300% strain	1.85	MPa	ASTM D412
Flow: 300% strain	1.85	MPa	ASTM D412

Tensile Strength			ASTM D412
Transverse flow: Fracture	2.86	MPa	ASTM D412
Flow: Fracture	2.48	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	420	%	ASTM D412
Flow: Fracture	380	%	ASTM D412
Tear Strength			ASTM D624
Transverse flow	0.925	kN/m	ASTM D624
Flow	0.862	kN/m	ASTM D624
Compression Set ¹			ASTM D395B
23°C, 22 hr	11	%	ASTM D395B
70°C, 22 hr	23	%	ASTM D395B
Thermal	Nominal Value	Unit	Test Method
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI	50.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.60 to 1.76mm, All Colors)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	173 - 213	°C	
Middle Temperature	179 - 219	°C	
Front Temperature	184 - 224	°C	
Nozzle Temperature	190 - 230	°C	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	35.0 - 60.0	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Fast		
Back Pressure	0.172 - 0.862	MPa	
Screw Speed	50 - 120	rpm	
Cushion	3.81 - 25.4	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	166 - 204	°C	
Cylinder Zone 2 Temp.	171 - 210	°C	
Cylinder Zone 3 Temp.	177 - 216	°C	
Cylinder Zone 5 Temp.	182 - 221	°C	
Die Temperature	190 - 227	°C	
Extrusion instructions			
Screw Speed: 30 to 100 rpm			
NOTE			
1. Type 1			

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