

Sarlink® TPV 24573

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink 24573 is a thermoplastic vulcanizate material, suitable for injection molding and extrusion, with a UL 94 HB Flame Rating.

General Information			
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	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	76		ASTM D2240
Shaw A, 5 seconds	73		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.17	MPa	ASTM D412
Tensile Elongation (Break)	320	%	ASTM D412
Compression Set			ASTM D395B
22°C, 22 hr	27	%	ASTM D395B
70°C, 22 hr	37	%	ASTM D395B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
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 (1.50 mm, 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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

