

Sarlink® TPV 24809

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink 24809 is a very low durometer thermoplastic vulcanizate designed for indstrial applications requiring UV resistance. Sarlink 24809 is suitable for injection molding and extrusion.

General Information	
Features	Low Specific Gravity
	Sunlight Resistant
	Without Fillers
	Low density
	Light stabilization
	Low liquidity
	Soft
	Hardness, low
	UV absorption
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	0.890	g/cm³	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	14		ASTM D2240
Shaw A, 5 seconds	10		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method

Tensile Stress			ASTM D412
Transverse flow: 100% strain ¹	0.303	MPa	ASTM D412
Flow: 100% strain ²	0.359	MPa	ASTM D412
Transverse flow: 300% strain ³	0.889	MPa	ASTM D412
Flow: 300% strain ⁴	0.824	MPa	ASTM D412
Tensile Strength ⁵			ASTM D412
Transverse flow: Fracture	1.04	MPa	ASTM D412
Flow: Fracture	0.945	MPa	ASTM D412
Tensile Elongation ⁶			ASTM D412
Transverse flow: Fracture	340	%	ASTM D412
Flow: Fracture	310	%	ASTM D412
Tear Strength ⁷			ASTM D624
Transverse flow	3.68	kN/m	ASTM D624
Flow	4.20	kN/m	ASTM D624
Compression Set ⁸			ASTM D395B
23°C, 22 hr	10	%	ASTM D395B
70°C, 22 hr	24	%	ASTM D395B
Injection	Nominal Value	Unit	
Rear Temperature	149 - 182	°C	
Middle Temperature	160 - 182	°C	
Front Temperature	166 - 188	°C	
Nozzle Temperature	177 - 204	°C	
Processing (Melt) Temp	177 - 204	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Fast		
Back Pressure	0.172 - 0.862	MPa	
Screw Speed	40 - 100	rpm	
Cushion	3.81 - 25.4	mm	
Injection instructions			
Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	143 - 166	°C	
Cylinder Zone 2 Temp.	149 - 171	°C	
Cylinder Zone 3 Temp.	154 - 177	°C	
Cylinder Zone 5 Temp.	154 - 182	°C	
Die Temperature	154 - 177	°C	
Extrusion instructions			
螺杆转速30 - 100 rpm			
NOTE			
1.	Mouth die C, 510mm/min		
2.	Mouth die C, 510mm/min		

3.	C mold, 510mm/min
4.	C mold, 510mm/min
5.	C mold, 510mm/min
6.	Mouth die C, 510mm/min
7.	C mold, 510mm/min
8.	Type 1

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