

Sarlink® TPV 2455

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® TPV 2455 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.

Typical application areas include:

engineering/industrial accessories

medical/health care

Hose

Water pipes/pipes/drinking water

application of coating

General Information	
Uses	Plug
	Washer
	Washer
	Pipe fittings
	Shock Absorbing Pad
	Medical/nursing supplies
	Seals for medical pumps
	Assembled glass
Agency Ratings	NSF 61
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.07	MPa	ASTM D412
Tensile Strength (Yield)	3.72	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength	19.3	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 22 hr	22	%	ASTM D395B
100°C, 22 hr	42	%	ASTM D395B

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
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			
螺杆转速30 - 100 rpm			

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