

Sarlink® TPV 2555

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink®TPV 2555 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 2555 are: flame retardant/rated flame.

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

General Information	
UL YellowCard	E54709-101228698
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	0.948	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	60		ASTM D2240
Shaw A, 5 seconds	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
Transverse flow: Fracture	4.62	MPa	ASTM D412
Flow: Fracture	4.34	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	320	%	ASTM D412

Flow: Fracture	270	%	ASTM D412
Tear Strength	15.8	kN/m	ASTM D624
Compression Set (100°C, 22 hr)	29	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow (135°C, 24 hr)	3.0	%	ASTM D573
Change in Ultimate Elongation in Air (135°C, 24 hr)	7.0	%	ASTM D573
Change in Durometer Hardness in Air (support a, 135°C, 24 hr)	60		ASTM D573
rate of change in tensile strength-Transverse flow (23°C, 70 hr, in IRM 903 oil)	22	%	ASTM D471
rate of change of ultimate elongation-Transverse flow (23°C, 70 hr, in IRM 903 oil)	32	%	ASTM D471
Change in Volume (25°C, 70 hr, in IRM 903 oil)	23	%	ASTM D471
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, Natural and Black 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			

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