Sarlink® TPV 2440D

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink®TPV 2440D 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	0.968	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 10 sec)	40		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus	234	MPa	ASTM D790
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% strain	19.3	MPa	ASTM D412
300% strain	20.3	MPa	ASTM D412
Tensile Strength (Yield)	20.7	MPa	ASTM D412
Tensile Elongation (Break)	410	%	ASTM D412

Tear Strength	73.6	kN/m	ASTM D624
Compression Set			
23°C, 22 hr	46	%	ASTM D395B
100°C, 22 hr	66	%	ASTM D395
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

Recommended distributors for this material

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