Sarlink® TPV X5750DB

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® TPV X5750DB is a Thermoplastic Vulcanizate (TPV) material. It is available in Asia Pacific, Europe, Latin America, or North America.

General Information			
Appearance	Opaque		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			
--	0.958	g/cm³	ASTM D792
--	0.960	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240, ISO 868
Shore D, 5 sec, Extruded	49		
Shore D, 5 sec, Injection Molded	52		
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412, ISO 37
Across Flow : 100% Strain	13.1	MPa	
Flow : 100% Strain	18.0	MPa	
Tensile Strength			ASTM D412, ISO 37
Across Flow : Break	23.0	MPa	
Flow : Break	21.5	MPa	
Tensile Elongation			ASTM D412, ISO 37
Across Flow : Break	640	%	
Flow : Break	490	%	
Tear Strength - Across Flow			
--	142	kN/m	ASTM D624
-- [1]	140	kN/m	ISO 34-1
Compression Set			ASTM D395, ISO 815
23°C, 22 hr	55	%	
70°C, 22 hr	67	%	
125°C, 70 hr	85	%	
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air - Across Flow			
135°C, 1000 hr	-20	%	ASTM D573, ISO 188
100% Strain, 135°C, 1000 hr	24	%	ASTM D573
150°C, 168 hr	-16	%	ASTM D573, ISO 188
100% Strain, 150°C, 168 hr	15	%	ASTM D573

100% Strain 135°C, 1000 hr	24	%	ISO 188
100% Strain 150°C, 168 hr	15	%	ISO 188
Change in Ultimate Elongation in Air - Across Flow			ASTM D573, ISO 188
135°C, 1000 hr	-30	%	
150°C, 168 hr	-25	%	
Change in Durometer Hardness in Air			ASTM D573, ISO 188
Shore D, 135°C, 1000 hr	4.0		
Shore D, 150°C, 168 hr	3.0		
Change in Volume (125°C, 70 hr, in IRM 903 Oil)	38	%	ASTM D471, ISO 1817

Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary @ 206/s			
200°C	430	Pa·s	ISO 11443
200°C	430	Pa·s	ASTM D3835

NOTE			
1.	Method Ba, Angle (Unnicked)		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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