Sarlink® TPV X6765 (PRELIMINARY DATA)

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

SARLINK® TPV X6765 is a high performance thermoplastic vulcanizate used in automotive applications including interior trim. Sarlink TPV X6765 is a medium hardness, low density grade, available in Nat or can be color-matched with good color stability, exhibiting good UV resistance. This grade is designed for injection molding but could also be extruded.

General Information	
Features	Low Specific Gravity
	Low compressive deformability
	Low density
	Light stabilization
	Good UV resistance
	Workability, good
	Good formability
	Good color stability
	Good coloring
	Good adhesion
	Good chemical resistance
	Medium hardness
Uses	Seals
	Application in Automobile Field
	Car interior parts
	Car interior equipment
	Rubber substitution
	Profile
RoHS Compliance	RoHS compliance
Appearance	Unspecified Color
	Opacity
	Available colors
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ISO 1183

Hardness	Nominal Value	Unit	Test Method

Durometer Hardness			ISO 868
Shore A, 1 second, injection molding	70		ISO 868
Shore A, 5 seconds, injection molding	68		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	2.55	MPa	ISO 37
Tensile Stress (Break)	6.70	MPa	ISO 37
Tensile Elongation (Break)	650	%	ISO 37
Compression Set (70°C, 22 hr)	43	%	ISO 815
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (200°C, 206 sec^-1)	230	Pa·s	ASTM D3835

Legal statement

Injection	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	3.0	hr
Rear Temperature	177 - 216	°C
Middle Temperature	177 - 216	°C
Front Temperature	177 - 216	°C
Nozzle Temperature	188 - 221	°C
Processing (Melt) Temp	182 - 221	°C
Mold Temperature	10 - 66	°C
Back Pressure	0.0689 - 1.03	MPa
Screw Speed	100 - 200	rpm
Screw L/D Ratio	20.0:1.0	
Extrusion	**Nominal Value**	**Unit**
Drying Temperature	82	°C
Drying Time	3.0	hr
Cylinder Zone 1 Temp.	182 - 204	°C
Cylinder Zone 2 Temp.	182 - 204	°C
Cylinder Zone 3 Temp.	188 - 210	°C
Cylinder Zone 4 Temp.	188 - 210	°C
Melt Temperature	193 - 216	°C
Die Temperature	193 - 216	°C
Take-Off Roll	21 - 49	°C

Extrusion instructions

Screen Pack: 20 to 60 meshScrew: 3:1 Compression Ratio

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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