

Sarlink® TPV 2773

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPV 2773 is a thermoplastic elastomer (TPE) 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 typical application field of TPV 2773 is: automobile industry

General Information			
Uses	Car exterior decoration		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.73	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	79		ASTM D2240
Shaw A, 5 seconds	73		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.45	MPa	ASTM D412
Tensile Strength (Break)	6.55	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	28.0	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 22 hr	25	%	ASTM D395B
70°C, 22 hr	36	%	ASTM D395B
100°C, 22 hr	40	%	ASTM D395B
125°C, 22 hr	55	%	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

