

Sarlink® TPE TPE EE-2265B-01 BLACK

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPE TPE EE-2265B-01 BLACK 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.

Typical application areas include:

Automotive Industry
engineering/industrial accessories

General Information			
Uses	Blow molding applications		
	Washer		
	Weather-resistant sealing strip		
	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
	Car exterior decoration		
	General		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	69		ASTM D2240
Shaw A, 15 seconds	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	37.9	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	1.86	MPa	ASTM D412
Flow: 100% strain	2.62	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	8.41	MPa	ASTM D412
Flow: Fracture	5.93	MPa	ASTM D412

Tensile Elongation			ASTM D412
Transverse flow: Fracture	810	%	ASTM D412
Flow: Fracture	660	%	ASTM D412
Tear Strength	30.8	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	20	%	ASTM D395
70°C, 22 hr	37	%	ASTM D395
125°C, 70 hr	73	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	-7.0	%	ASTM D573
Change in Ultimate Elongation in Air (100°C, 168 hr)	-0.20	%	ASTM D573
Change in Durometer Hardness in Air (Shore A)	1.0		ASTM D573
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.03 mm)	51	mm/min	ISO 3795
Additional Information			
Change in Tear Strength in Air(100oC,168hr)+ 2%			
Injection	Nominal Value	Unit	
Rear Temperature	199 - 210	°C	
Middle Temperature	204 - 216	°C	
Front Temperature	210 - 221	°C	
Nozzle Temperature	216 - 227	°C	
Processing (Melt) Temp	216 - 227	°C	
Mold Temperature	35.0 - 65.6	°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	
Injection instructions			
Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	193 - 204	°C	
Cylinder Zone 2 Temp.	199 - 210	°C	
Cylinder Zone 3 Temp.	204 - 216	°C	
Cylinder Zone 5 Temp.	210 - 221	°C	
Die Temperature	216 - 227	°C	
Extrusion instructions			
Screw Speed: 30 to 100 rpm			

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