

Sarlink® TPE EE-2740D NAT

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPE EE-2740DN 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.
Sarlink®The main features of TPE EE-2740DN are:
high hardness
daylight resistance
Sarlink®The typical application field of TPE EE-2740DN is: automobile industry

General Information			
Features	Low Specific Gravity		
	Sunlight Resistant		
	Without Fillers		
	Low density		
	smoothness		
	Light stabilization		
	Low liquidity		
	High hardness		
Uses	Application in Automobile Field		
	Car exterior decoration		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.9	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 1 second, injection molding	42		ASTM D2240
Shore D, 5 seconds, injection molding	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	148	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	5.90	MPa	ASTM D412
Flow: 100% strain	6.70	MPa	ASTM D412
Tensile Strength			ASTM D412

Transverse flow: Fracture	8.20	MPa	ASTM D412
Flow: Fracture	9.00	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	590	%	ASTM D412
Flow: Fracture	520	%	ASTM D412
Tear Strength - Across Flow	62.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	56	%	ASTM D395
70°C, 22 hr	80	%	ASTM D395
90°C, 70 hr	92	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188
110°C, 1008 hr	6.1	%	ISO 188
125°C, 168 hr	9.8	%	ISO 188
Changes in tensile stress upon fracture in air-Transverse flow			ISO 188
110°C, 1008 hr	-15	%	ISO 188
125°C, 168 hr	-18	%	ISO 188
Change in Shore Hardness in Air			ISO 188
110°C, 1008 hr	-1.2		ISO 188
Support a, 125°C, 168 hr	0.0		ISO 188
Flammability	Nominal Value	Unit	Test Method
Burning Rate	66	mm/min	ISO 3795
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	454	Pa·s	ASTM D3835
Additional Information			
热变形温度 (0.45 MPa) - ASTM D648 = 58氙气灯老化 2500千焦 (SAE J-1960) = 1.48 DELTA E多轴向冲击,-40C 焦耳加纳德冲击,-30C英寸-磅 (焦) = 256			
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			
螺杆转速30 - 100 rpm			

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