

Telcar® TELC-87-L832-A

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar®TELC-87-L832-A 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.
Telcar®The typical application fields of TELC-87-L832-A are: wire and cable

General Information			
Uses	Wire and cable applications		
	General		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.883	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	78		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	2.76	MPa	ASTM D412
Flow: 100% strain	3.83	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	5.80	MPa	ASTM D412
Flow: Fracture	5.80	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	540	%	ASTM D412
Flow: Fracture	320	%	ASTM D412
Tear Strength - Across Flow	36.9	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	28	%	ASTM D395
70°C, 22 hr	58	%	ASTM D395
90°C, 70 hr	68	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (136°C, 168 hr)	50	%	ASTM D412
Change in Ultimate Elongation (136°C, 168 hr)	-10	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	< -60.0	°C	ASTM D746
Electrical	Nominal Value		Test Method
Dielectric Constant (23°C, 1 kHz)	2.24		ASTM D150

Additional Information

变形 T2/T1 - 150C, ,2000 GMS (UL-15841) = 0.54紫外线稳定性= 是

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	166 - 188	°C
Cylinder Zone 2 Temp.	171 - 193	°C
Cylinder Zone 3 Temp.	177 - 199	°C
Cylinder Zone 5 Temp.	182 - 204	°C
Die Temperature	190 - 210	°C

Extrusion instructions

螺杆转速30 - 100 rpm

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