

Telcar® TL-83-F912-E

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar® TL-83-F912-E 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.

Telcar® The typical application fields of TL-83-F912-E are: wire and cable

General Information			
Uses	Electronic insulation		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	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 C, 10 sec)	82		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	12.3	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412

Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863

Injection	Nominal Value	Unit
Rear Temperature	171 - 193	°C
Middle Temperature	177 - 199	°C
Front Temperature	182 - 204	°C
Nozzle Temperature	188 - 210	°C
Processing (Melt) Temp	188 - 210	°C
Mold Temperature	25.0 - 65.6	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Moderate-Fast	
Back Pressure	0.172 - 0.345	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

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		
NOTE		
1.	510 mm/min	

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Recommended distributors for this material

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