

Telcar® TL-1402G

Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar®TL-1402G 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 main features of the TL-1402G are:

flame retardant/rated flame

ROHS certification

Telcar®Typical application fields of TL-1402G are: electrical/electronic applications

General Information	
Uses	Electrical/Electronic Applications Connector
RoHS Compliance	RoHS compliance
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	53		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.27	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-51.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Oxygen Index (3.18 mm)	28	%	ASTM D2863

Additional Information		
无卤阻燃TPE		
Injection	Nominal Value	Unit
Rear Temperature	171 - 177	°C
Middle Temperature	177 - 182	°C
Front Temperature	182 - 188	°C
Nozzle Temperature	188 - 193	°C
Processing (Melt) Temp	188 - 193	°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 - 182	°C
Cylinder Zone 2 Temp.	171 - 188	°C
Cylinder Zone 3 Temp.	185 - 193	°C
Cylinder Zone 5 Temp.	193 - 199	°C
Die Temperature	193 - 199	°C
Extrusion instructions		

螺杆转速30 - 100 rpm

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