

Telcar® TL-1934F

Styrenic Thermoplastic Elastomer

Teknor Apex Company

Message:

Telcar®TL-1934F is a styrene thermoplastic elastomer (TES) 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-1934F are:

flame retardant/rated flame

ROHS certification

Typical application areas include:

Wire and cable

Electrical/electronic applications

General Information			
Uses	Cable sheath		
	Electrical conductor insulation material		
	Wire sheath		
	Connector		
	Flexible cord insulation material		
Agency Ratings	UL 1581		
RoHS Compliance	RoHS compliance		
UL File Number	QMTT2.E73402		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	74		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (fracture, 23°C, 1.91mm)	9.79	MPa	ASTM D412
Tensile Elongation ² (Break, 23°C)	680	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	UL 1581
Brittleness Temperature	-60.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.52 mm)	V-0		IEC 60695-11-10, -20
Oxygen Index	29	%	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	
2.	510 mm/min	

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