

## Teknor Apex Telcar® TL-1934A BLK 111 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Telcar-TL-1934A-BLK-111-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Telcar-TL-1934A-BLK-111-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Melt Flow	18.0 g/10 min @Load 5.00 kg, Temperature 200 °C	18.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Tensile Strength at Break	15.5 MPa	2250 psi	ASTM D412
Elongation at Break	630 %	630 %	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-60.0 °C	-76.0 °F	ASTM D746
Oxygen Index	18 %	18 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.36 @Frequency 1000 Hz	2.36 @Frequency 1000 Hz	ASTM D150
Dissipation Factor	0.00010 @Frequency 1000 Hz	0.00010 @Frequency 1000 Hz	ASTM D150

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	171 - 193 °C	340 - 380 °F	
Middle Barrel Temperature	177 - 199 °C	350 - 390 °F	
Front Barrel Temperature	182 - 204 °C	360 - 400 °F	
Nozzle Temperature	188 - 210 °C	370 - 410 °F	

Zone 1 Processing Properties	166 - 188 °C Metric	330 - 370 °F English	Comments
Zone 2	171 - 193 °C	340 - 380 °F	
Zone 3	177 - 199 °C	350 - 390 °F	
Zone 5	182 - 204 °C	360 - 400 °F	
Die Temperature	190 - 210 °C	374 - 410 °F	
Melt Temperature	188 - 210 °C	370 - 410 °F	Processing Temperature
Mold Temperature	25.0 - 65.6 °C	77.0 - 150 °F	
Injection Pressure	1.38 - 6.89 MPa	200 - 1000 psi	
Back Pressure	0.172 - 0.345 MPa	25.0 - 50.0 psi	
Cushion	0.381 - 2.54 cm	0.150 - 1.00 in	
Screw Speed	50 - 100 rpm	50 - 100 rpm	

Descriptive Properties	Value	Comments
Appearance	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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