

Teknor Apex Telcar® OBC 4945A Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

Notes: Telcar OBC has superior mechanical strength and higher elongation which will provide a tougher more durable finished product. Telcar OBC can be used in less demanding sealing applications. Telcar OBC 4900 series compounds contain UV stabilization to provide general weathering resistance - the customer should verify if this is sufficient for the application. Telcar OBC 4900 series compounds will have a smoother, more glossy surface compared to Uniprene when extruded. Extrusion die swell is likely to be different from TPV's due to different chemistries used. F suffix denotes 'filled' compound, indicated by density. A suffix denotes grades available without filler at a density of 0.89. Compounds supplied in natural color or black. Precoloring is available upon request. Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Telcar-OBC-4945A-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	ASTM D792
Melt Flow	15.0 g/10 min @Load 2.16 kg, Temperature 230 °C	15.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ASTM D2240
Tensile Strength	4.48 MPa	650 psi	ASTM D412
Elongation at Break	950 %	950 %	ASTM D412
Compression Set	21 % @Temperature 22.8 °C, Time 79200 sec	21 % @Temperature 73.0 °F, Time 22.0 hour	ASTM D395B
	43 % @Temperature 70.0 °C, Time 79200 sec	43 % @Temperature 158 °F, Time 22.0 hour	ASTM D395B

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