

Elastocon TPE Technologies Elastocon® 2890 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 2890 thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish. Elastocon® 2890 is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 2890 can be overmolded onto polypropylene. Information provided by Elastocon® TPE Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-2890-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	ASTM D792
Linear Mold Shrinkage	0.014 - 0.024 cm/cm	0.014 - 0.024 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength, Yield	8.41 MPa	1220 psi	ASTM D412
Elongation at Break	426 %	426 %	ASTM D412
100% Modulus	0.00439 GPa	0.636 ksi	ASTM D412
Compression Set	20 % @Time 79200 sec	20 % @Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	166 - 177 °C	330 - 350 °F	
Front Barrel Temperature	182 - 188 °C	360 - 370 °F	
Nozzle Temperature	193 - 204 °C	380 - 400 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Back Pressure	0.689 - 1.38 MPa	100 - 200 psi	

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