

Elastocon TPE Technologies Elastocon® 2840 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 2840 thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish. Elastocon® 2840 is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 2840 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-2840-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	ASTM D2240
Tensile Strength, Yield	5.54 MPa	804 psi	ASTM D412
Elongation at Break	576 %	576 %	ASTM D412
100% Modulus	0.000958 GPa	0.139 ksi	ASTM D412
Compression Set	23 % @Time 79200 sec	23 % @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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