

Elastocon TPE Technologies Elastocon® 2855 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 2855 thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish. Elastocon® 2855 is FDA compliant and well suited for consumer products and medical applications. Elastocon® 2855 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-2855-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	ASTM D792
Linear Mold Shrinkage	0.016 - 0.026 cm/cm	0.016 - 0.026 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	54	54	ASTM D2240
Tensile Strength, Yield	6.55 MPa	950 psi	ASTM D412
Elongation at Break	660 %	660 %	ASTM D412
100% Modulus	0.00212 GPa	0.308 ksi	ASTM D412
Compression Set	25 % @Time 79200 sec	25 % @Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	149 - 166 °C	300 - 330 °F	
Front Barrel Temperature	166 - 182 °C	330 - 360 °F	
Nozzle Temperature	188 - 216 °C	370 - 420 °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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