

Elastocon TPE Technologies Elastocon® 2825 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 2825 thermoplastic elastomer compound has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® 2825 is FDA compliant and well suited for consumer goods and industrial applications requiring non-slip/soft touch ergonomics and resilience. Elastocon® 2825 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-2825-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.022 - 0.032 cm/cm	0.022 - 0.032 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	25	25	ASTM D2240
Tensile Strength, Yield	4.94 MPa	716 psi	ASTM D412
Elongation at Break	530 %	530 %	ASTM D412
100% Modulus	0.000724 GPa	0.105 ksi	ASTM D412
Compression Set	13 % @Time 79200 sec	13 % @Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Feed Temperature	79.4 °C	175 °F	
Rear Barrel Temperature	138 - 160 °C	280 - 320 °F	
Front Barrel Temperature	166 - 182 °C	330 - 360 °F	
Nozzle Temperature	188 - 204 °C	370 - 400 °F	
Mold Temperature	15.6 - 48.9 °C	60.0 - 120 °F	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	

Descriptive Properties	Value	Comments
Injection Rate	Fast	

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