

Elastocon TPE Technologies Elastocon® 8048N Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 8048N is a colorable thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 8048N is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8048N can be overmolded to polypropylene. Information provided by Elastocon® TPE Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-8048N-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.013 - 0.023 cm/cm	0.013 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	ASTM D2240
Tensile Strength, Yield	5.39 MPa	782 psi	ASTM D412
Elongation at Break	716 %	716 %	ASTM D412
100% Modulus	0.00198 GPa	0.287 ksi	ASTM D412
Compression Set	13 % @Time 79200 sec	13 % @Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Feed Temperature	79.0 °C	174 °F	
Rear Barrel Temperature	174 - 191 °C	345 - 375 °F	
Front Barrel Temperature	179 - 196 °C	355 - 385 °F	
Nozzle Temperature	185 - 204 °C	365 - 400 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	

Descriptive Properties	Value	Comments
Injection Rate	Fast	

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