

Elastocon TPE Technologies Elastocon® 8058BL Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® 8058BL is a black lubricated thermoplastic elastomer formulated for applications that require rubber-like properties and a reduced coefficient of friction. Elastocon® 8058BL is well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 8058BL 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-8058BL-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.012 - 0.022 cm/cm	0.012 - 0.022 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240
Tensile Strength, Yield	6.69 MPa	970 psi	ASTM D412
Elongation at Break	702 %	702 %	ASTM D412
100% Modulus	0.00239 GPa	0.347 ksi	ASTM D412
Compression Set	17 % @Time 79200 sec	17 % @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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