

## Elastocon TPE Technologies Elastocon® 8088BL Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

**Material Notes:**

Elastocon® 8088BL is a black lubricated thermoplastic elastomer formulated for applications that require high impact resistance and a reduced coefficient of friction. Elastocon® 8088BL is well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 8088BL 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-8088BL-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-8088BL-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength, Yield	11.76 MPa	1705 psi	ASTM D412
Elongation at Break	549 %	549 %	ASTM D412
100% Modulus	0.008150 GPa	1.182 ksi	ASTM D412
Compression Set	27 % @Time 79200 sec	27 % @Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Feed Temperature	79.0 °C	174 °F	
Rear Barrel Temperature	177 - 193 °C	350 - 380 °F	
Front Barrel Temperature	182 - 199 °C	360 - 390 °F	
Nozzle Temperature	188 - 204 °C	370 - 400 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Back Pressure	0.689 - 1.38 MPa	100 - 200 psi	

### Contact Songhan Plastic Technology Co.,Ltd.

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