

## Elastocon TPE Technologies Elastocon® 8028N Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

**Material Notes:**

Elastocon® 8028N is a colorable thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 8028N is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8028N 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-8028N-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-8028N-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	ASTM D2240
Tensile Strength, Yield	3.10 MPa	450 psi	ASTM D412
Elongation at Break	597 %	597 %	ASTM D412
100% Modulus	0.00123 GPa	0.178 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	143 - 160 °C	290 - 320 °F	
Front Barrel Temperature	160 - 182 °C	320 - 360 °F	
Nozzle Temperature	188 - 204 °C	370 - 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	

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**