

Elastocon® 8058HL

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 8058HL is a colorable thermoplastic elastomer formulated for applications that require rubber-like properties and a reduced coefficient of friction. Elastocon® 8058HL is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8058HL can be overmolded to polypropylene.

General Information			
Additive	UV stabilizer		
Features	Low friction coefficient		
	Good UV resistance		
	Soft		
Uses	overmolding		
	Industrial application		
	Consumer goods application field		
Agency Ratings	FDA not rated		
Appearance	Available colors		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	58		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.98	MPa	ASTM D412
Tensile Strength (Yield)	5.67	MPa	ASTM D412
Tensile Elongation (Break)	690	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	174 - 191	°C	
Front Temperature	179 - 196	°C	
Nozzle Temperature	185 - 204	°C	
Mold Temperature	21.1 - 37.8	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 0.689	MPa	
Injection instructions			

Elastocon® thermoplastic elastomers are shear dependent and have been formulated to process on conventional thermoplastic equipment for injection molding, extrusion or blow molding.

Extrusion	Nominal Value	Unit
Hopper Temperature	< 79.0	°C
Cylinder Zone 1 Temp.	191 - 232	°C
Cylinder Zone 2 Temp.	191 - 232	°C
Cylinder Zone 3 Temp.	191 - 232	°C
Cylinder Zone 4 Temp.	191 - 232	°C
Cylinder Zone 5 Temp.	191 - 232	°C
Die Temperature	191 - 232	°C

Extrusion instructions

Compression ratio: 2.5 to 3.0

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

