

Elastocon® 2850PE

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2850PE thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish. Elastocon® 2850PE is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 2850PE can be overmolded and coextruded with polyethylene.

General Information	
Features	Good UV resistance Soft Excellent appearance
Uses	overmolding Industrial application Consumer goods application field
Agency Ratings	FDA not rated
Forms	Particle
Processing Method	Blow molding Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.73	MPa	ASTM D412
Tensile Strength (Yield)	6.41	MPa	ASTM D412
Tensile Elongation (Break)	630	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	177 - 193	°C	
Front Temperature	182 - 188	°C	
Nozzle Temperature	193 - 204	°C	
Mold Temperature	21.1 - 37.8	°C	
Injection Rate	Fast		
Back Pressure	0.689 - 1.38	MPa	
Extrusion	Nominal Value	Unit	
Hopper Temperature	< 79.4	°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

