

Elastocon® 2825PE

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2825PE thermoplastic elastomer has been developed for applications that require rubber-like properties and a good surface finish.

Elastocon® 2825PE is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 2825PE can be overmolded and coextruded with polyethylene.

Elastocon® 2825PE is supplied as ready to use pellets in 50 lb. quantities.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	25		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.740	MPa	ASTM D412
Tensile Strength	2.40	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	12.3	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	138 - 160	°C	
Front Temperature	166 - 182	°C	
Nozzle Temperature	182 - 204	°C	
Mold Temperature	16 - 49	°C	
Injection Rate	Fast		
Back Pressure	0.345 - 0.689	MPa	
Screw Compression Ratio	2.5:1.0 - 3.0:1.0		
Injection instructions			

Elastocon® 2825PE thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
Hopper Temperature	79	°C
Cylinder Zone 1 Temp.	191	°C
Cylinder Zone 5 Temp.	232	°C

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