

Elastocon® 2840FX

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2840FX is a functionalized translucent thermoplastic elastomer compound formulated for applications that require rubber-like properties and high resilience. Elastocon® 2840FX is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon 2840FX has been developed for applications requiring print ability and overmolding onto various metals and other non-plastic substrates.

Elastocon® 2840FX is supplied as ready to use pellets in 50 lb. quantities.

General Information			
Features	Excellent printability Good UV resistance Elastic		
Uses	Industrial application Consumer goods application field		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.20	MPa	ASTM D412
Tensile Strength	4.50	MPa	ASTM D412
Tensile Elongation (Break)	320	%	ASTM D412
Tear Strength	15.4	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	177	°C	
Middle Temperature	188 - 199	°C	
Front Temperature	193 - 204	°C	
Nozzle Temperature	199 - 204	°C	
Processing (Melt) Temp	199 - 204	°C	
Mold Temperature	38 - 49	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.345 - 1.03	MPa	
Injection instructions			

Elastocon® 2840FX thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	154 - 160	°C
Cylinder Zone 2 Temp.	160 - 171	°C
Cylinder Zone 3 Temp.	171 - 177	°C
Cylinder Zone 4 Temp.	182 - 188	°C
Cylinder Zone 5 Temp.	177 - 182	°C
Die Temperature	160 - 171	°C

Extrusion instructions

Screw Speed: 75 to 125 RPM

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Recommended distributors for this material

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