

Elastocon® 2890

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2890 is a translucent thermoplastic elastomer that has been developed for applications that require rubber-like properties and high strength impact resistance. Elastocon® 2890 is FDA compliant and well suited for consumer goods and industrial applications. Elastocon® 2890 can be overmolded and/or coextruded onto polypropylene.

Elastocon® 2890 is supplied as ready to use pellets in 50 lb. bag quantities.

General Information	
Features	High strength
	Impact resistance, high
Uses	Industrial application
	Consumer goods application field
Agency Ratings	FDA not rated
Forms	Particle
Processing Method	Co-extrusion molding
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
----------	---------------	------	-------------

Specific Gravity	0.900	g/cm ³	ASTM D792
------------------	-------	-------------------	-----------

Hardness	Nominal Value	Unit	Test Method
----------	---------------	------	-------------

Durometer Hardness (Shore A)	92		ASTM D2240
------------------------------	----	--	------------

Elastomers	Nominal Value	Unit	Test Method
------------	---------------	------	-------------

Tensile Stress (100% Strain)	9.30	MPa	ASTM D412
------------------------------	------	-----	-----------

Tensile Strength	16.0	MPa	ASTM D412
------------------	------	-----	-----------

Tensile Elongation (Break)	540	%	ASTM D412
----------------------------	-----	---	-----------

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® 2890 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

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



WECHAT