

Elastocon® 9050

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 9050 is a natural thermoplastic elastomer formulated for applications that require high impact resistance and a good surface finish.

Elastocon® 9050 is well suited for customer goods and industrial applications requiring U.V. stability.

Elastocon® 9050 is supplied as ready to use pellets in 50 lb. quantities.

General Information	
Features	Impact resistance, high
	Good UV resistance
	Excellent appearance
Uses	Industrial application
	Consumer goods application field
Appearance	Natural color
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Injection molding

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

Specific Gravity	1.04	g/cm ³	ASTM D792
------------------	------	-------------------	-----------

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

Durometer Hardness (Shore D)	50		ASTM D2240
------------------------------	----	--	------------

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

Tensile Stress (100% Strain)	8.70	MPa	ASTM D412
------------------------------	------	-----	-----------

Tensile Strength	13.3	MPa	ASTM D412
------------------	------	-----	-----------

Tensile Elongation (Break)	520	%	ASTM D412
----------------------------	-----	---	-----------

Tear Strength	75.0	kN/m	ASTM D624
---------------	------	------	-----------

Injection	Nominal Value	Unit
-----------	---------------	------

Rear Temperature	177 - 193	°C
------------------	-----------	----

Front Temperature	182 - 199	°C
-------------------	-----------	----

Nozzle Temperature	188 - 204	°C
--------------------	-----------	----

Mold Temperature	21 - 38	°C
------------------	---------	----

Injection Rate	Moderate-Fast	
----------------	---------------	--

Back Pressure	0.689 - 1.38	MPa
---------------	--------------	-----

Screw Compression Ratio	2.5:1.0 - 3.0:1.0	
-------------------------	-------------------	--

Injection instructions		
------------------------	--	--

Elastocon® 9050 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

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

