

Elastocon® 8028N

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 8028N is a colorable thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 8028N is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8028N can be overmolded to polypropylene.

General Information	
Additive	UV stabilizer
Features	Good UV resistance
	Good coloring
	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	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	30		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.23	MPa	ASTM D412
Tensile Strength (Yield)	3.10	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Compression Set (23°C, 22 hr)	13	%	ASTM D395B
Injection	Nominal Value	Unit	
Rear Temperature	143 - 160	°C	
Front Temperature	160 - 182	°C	
Nozzle Temperature	188 - 204	°C	
Mold Temperature	21.1 - 37.8	°C	
Injection Rate	Fast		

Back Pressure	0.345 - 0.689	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

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