

Elastocon® 8088BL

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 8088BL is a black lubricated thermoplastic elastomer formulated for applications that require high impact resistance and a reduced coefficient of friction. Elastocon® 8088BL is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8088BL can be overmolded to polypropylene.

General Information	
Additive	Lubricant
	UV stabilizer
Features	Low friction coefficient
	Impact resistance, high
	Good UV resistance
	Lubrication
Uses	overmolding
	Industrial application
	Consumer goods application field
Appearance	Black
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 - 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	8.15	MPa	ASTM D412
Tensile Strength (Yield)	11.6	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Compression Set (23°C, 22 hr)	27	%	ASTM D395B
Injection	Nominal Value	Unit	
Rear Temperature	177 - 193	°C	
Front Temperature	182 - 199	°C	
Nozzle Temperature	188 - 204	°C	

Mold Temperature	21.1 - 37.8	°C
Injection Rate	Fast	
Back Pressure	0.689 - 1.38	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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