

# Elastocon® OF70B

Thermoplastic Elastomer

Elastocon TPE Technologies

## Message:

Elastocon® OF70B is a black thermoplastic elastomer that has been developed for applications that require oil/plasticizer free, high strength properties and a reduced coefficient of friction.

Elastocon® OF70B is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® OF70B can be overmolded onto polypropylene.

Elastocon® OF70B is supplied as ready to use pellets in 50 lb. quantities.

General Information	
Features	Good UV Resistance
	High Strength
	Low Friction
Uses	Consumer Applications
	Industrial Applications
	Overmolding
Appearance	Black
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.51	MPa	ASTM D412
Tensile Strength (Yield)	11.5	MPa	ASTM D412
Tensile Elongation (Break)	570	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	166 to 177	°C	
Front Temperature	182 to 188	°C	
Nozzle Temperature	193 to 204	°C	
Mold Temperature	21.1 to 37.8	°C	
Injection Rate	Fast		
Back Pressure	0.689 to 1.38	MPa	
Screw Compression Ratio	2.5:1.0 to 3.0:1.0		

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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

