

# Elastocon® OF65

Thermoplastic Elastomer

Elastocon TPE Technologies

## Message:

Elastocon® OF65 is a natural thermoplastic elastomer that has been developed for applications that require oil/plasticizer free, non-blooming high strength properties and a reduced coefficient of friction. Elastocon® OF65 is FDA compliant and well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® OF65 can be overmolded onto polypropylene. Elastocon® OF65 is supplied as ready to use pellets in 1000 lb. quantities.

General Information			
Features	Good UV Resistance		
	High Strength		
	Low Friction		
	Non-Blooming		
Uses	Industrial Applications		
	Overmolding		
Agency Ratings	FDA Unspecified Rating		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	64		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.20	MPa	ASTM D412
Tensile Strength (Yield)	8.60	MPa	ASTM D412
Tensile Elongation (Break)	630	%	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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