

# Softflex® 7088

Thermoplastic Elastomer Alloy

Network Polymers, Inc.

## Message:

Softflex® 7088 is a thermoplastic elastomer alloy (TPE alloy) product. It is available in North America. Typical application areas are: engineering/industrial accessories. The main characteristics are: chemical resistance.

General Information			
Features	Good coloring		
	Good chemical resistance		
Uses	overmolding		
Physical	Nominal Value	Unit	Test Method
Density (Natural)	0.890	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 Strength <sup>1</sup> (Break, 23°C, 3.18 mm)	10.5	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break, 23°C, 3.18 mm)	800	%	ASTM D412
Additional Information			
Processing Information: Injection Molding (preferable standard 2-component injection molding machine to get adhesion to substrate)Purging: Purge thoroughly before and after use of this product (e.g. polypropylene with MFI between 0.5 - 2.5)Drying Time: Material is not hygroscopic and drying is only necessary if material is stored under moisture.Shrinkage Properties: This material is anisotropic. The shrinkage properties are higher in the flow direction, and the shrinkage in the cross-flow direction is less. Typical shrinkage properties values are between 0.8 - 2.2%Rheological Properties: This material is shear dependent. Viscosity will decrease at higher shear rates, and should be considered during injection molding design and setup of processing conditions.FDA Compliance: Softflex 7088 is based on Styrenic-Ethylene/Bthylene block-copolymers as described by FDA, article 21. A valid Code of Federal Regulations (CFR) is described in paragraph 177.1810 and/or paragraph 176.170, categories I, II, IV-B, VI, VII-B, VIII in panel 1.			
Injection	Nominal Value	Unit	
Rear Temperature	160 - 185	°C	
Front Temperature	180 - 207	°C	
Nozzle Temperature	207 - 232	°C	
Mold Temperature	29.4 - 65.6	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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