Technical Data Sheet

Softflex 7088

Thermoplastic Elastomer Alloy
LyondellBasell Industries
Engineering Plastics

General		
Features	• Chemical Resistant	• Good Colorability
Uses	• Overmolding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (Natural)	0.890 g/cm³	0.890 g/cm³	ASTM D792
Elastomers	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength [1]			ASTM D412
Break, 73°f (23°c), 0.125 In (3.18 Mm)	1530 psi	10.5 MPa	
Tensile Elongation [1]			ASTM D412
Break, 73°f (23°c), 0.125 In (3.18 Mm)	800 %	800 %	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Shore Hardness (Shore A)	70	70	ASTM D2240

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%

Rheoligical 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.

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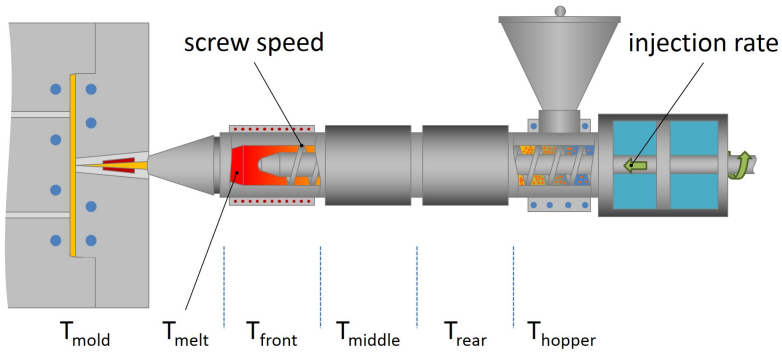

Injection	Nominal Value (English)	Nominal Value (SI)
Rear Temperature	320 to 365 °F	160 to 185 °C
Front Temperature	356 to 405 °F	180 to 207 °C
Nozzle Temperature	405 to 450 °F	207 to 232 °C
Mold Temperature	85 to 150 °F	29 to 66 °C

Notes

[1] 20 in/min (510 mm/min)

Notes

These are typical property values not to be construed as specification limits.