

Technical Data Sheet**Softflex 0150**

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

Product Description

Softflex 0150 is suitable for overmolding polypropylene and polyethylene.

General

Material Status	• Commercial: Active		
Availability	• North America		
Forms	• Pellets		
Processing Method	• Coating	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.890	0.888 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	420 g/10 min	420 g/10 min	ASTM D1238
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	435 psi	3.00 MPa	ASTM D412
Tensile Elongation (Break)	800 %	800 %	ASTM D412
Tear Strength	50.0 lbf/in	8.76 kN/m	ASTM D624
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Impact (-22°F (-30°C))	> 320 in·lb	> 36.2 J	ASTM D5420
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	12 to 18	12 to 18	ASTM D2240

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Injection	Nominal Value (English)	Nominal Value (SI)
Rear Temperature	290 to 310 °F	143 to 154 °C
Middle Temperature	315 to 335 °F	157 to 168 °C
Front Temperature	340 to 350 °F	171 to 177 °C
Nozzle Temperature	355 to 365 °F	179 to 185 °C
Mold Temperature	60 to 75 °F	16 to 24 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	90.0 to 175 psi	0.621 to 1.21 MPa
Screw L/D Ratio	20.0:1.0	20.0:1.0
Screw Compression Ratio	1.5:1.0	1.5:1.0

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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