

Technical Data Sheet

Softflex 0150

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

Product Description

Softflex 0150 is suitable for overmolding polypropylene and polyethylene.

General

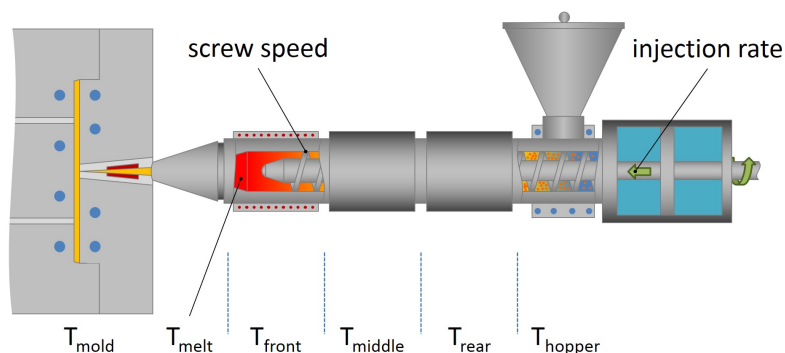
Agency Ratings	• EC 1907/2006 (REACH)	• EU 2002/96/EC (WEEE)
RoHS Compliance	• RoHS Compliant	
Forms	• Pellets	
Processing Method	• Coating	• Injection Molding

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.