

Technical Data Sheet

Softflex 0350

Thermoplastic Elastomer
 LyondellBasell Industries
 Engineering Plastics

Product Description

Softflex 0350 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	0.910	0.908 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 Kg)	46 g/10 min	46 g/10 min	ASTM D1238

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	580 psi	4.00 MPa	ASTM D412
Tensile Elongation (Break)	950 %	950 %	ASTM D412
Tear Strength	130 lbf/in	22.8 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			ASTM D2240
Shore A	36 to 42	36 to 42	
Shore A, 10 Sec	32 to 38	32 to 38	

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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.