

Technical Data Sheet

Softflex 0450

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General		
Uses	• Overmolding	
Agency Ratings	• EC 1907/2006 (REACH)	• EU 2002/96/EC (WEEE)
RoHS Compliance	• RoHS Compliant	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.932	0.930 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (235°C/1.0 Kg)	42 g/10 min	42 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	630 psi	4.34 MPa	ASTM D638
Tensile Elongation ² (Break)	600 %	600 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength	150 lbf/in	26.3 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	40 to 50	40 to 50	ASTM D2240

Additional Information	Nominal Value (English)	Nominal Value (SI)
Overmold Bonding	PP, PE	PP, PE

Notes

¹ Procedure A

² 2.0 in/min (51 mm/min)

Notes

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