

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 <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup> (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 <sup>2</sup> (Yield)	630 psi	4.34 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (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**  
<sup>1</sup> Procedure A  
<sup>2</sup> 2.0 in/min (51 mm/min)

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