

Technical Data Sheet

Softflex 4500

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General			
Uses	• Overmolding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.18	1.18 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹			ASTM D1238
200°c/5.0 Kg	12 g/10 min	12 g/10 min	
235°c/1.0 Kg	1.5 g/10 min	1.5 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	600 psi	4.14 MPa	ASTM D638
Tensile Elongation ² (Break)	700 %	700 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength	110 lbf/in	19.3 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.