

Technical Data Sheet

Softflex 4550

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General

- Uses • Overmolding

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.982	0.980 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 Kg)	37 g/10 min	37 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	600 psi	4.14 MPa	ASTM D638
Tensile Elongation ² (Break)	750 %	750 %	ASTM D638

Elastomers

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength	140 lbf/in	24.5 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	ABS, Propionate, PC and Nylon	ABS, Propionate, PC and Nylon

Notes

- ¹ Procedure A
- ² 20 in/min (510 mm/min)

Notes

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