

Technical Data Sheet

Softflex 5000

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General

- | | |
|-------------------|-------------------------------|
| Forms | • Pellets |
| Processing Method | • Coating • Injection Molding |

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.877	0.875 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 Kg)	1.1 g/10 min	1.1 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus ¹	777 psi	5.36 MPa	ASTM D790

Elastomers

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ASTM D412
50% Strain	107 psi	0.738 MPa	
100% Strain	138 psi	0.951 MPa	
300% Strain	236 psi	1.63 MPa	
Tensile Strength (Break)	373 psi	2.57 MPa	ASTM D412
Tensile Elongation (Break)	1000 %	1000 %	ASTM D412
Tear Strength	121 lbf/in	21.2 kN/m	ASTM D624
Compression Set (73°F (23°C))	19 %	19 %	ASTM D395

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	50	50	ASTM D2240

Notes

¹ 0.50 in/min (13 mm/min)

Notes

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