

Softflex 7700

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General			
Uses	• Overmolding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.17	1.17 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (224°C/1.2 Kg)	25 g/10 min	25 g/10 min	ASTM D1238
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ASTM D412
50% Strain	430 psi	2.96 MPa	
100% Strain	680 psi	4.69 MPa	
300% Strain	400 psi	2.76 MPa	
Tensile Strength ² (Yield)	5000 psi	34.5 MPa	ASTM D412
Tensile Elongation (Break)	540 %	540 %	ASTM D412
Tear Strength	500 lbf/in	87.6 kN/m	ASTM D624
Compression Set (158°F (70°C), 22 Hr)	28 %	28 %	ASTM D395B
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	72 to 82	72 to 82	ASTM D2240
Additional Information	Nominal Value (English)	Nominal Value (SI)	
Overmold Bonding	ABS, PC, ABS/PC, PPO	ABS, PC, ABS/PC, PPO	

Notes

¹ Procedure A

² 20 in/min (510 mm/min)

Notes

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

