

Technical Data Sheet



Softflex 0615

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Uses	• Overmolding		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.994	0.992 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹			ASTM D1238
200°C/5.0 kg	27 g/10 min	27 g/10 min	
235°C/1.0 kg	8.3 g/10 min	8.3 g/10 min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	2170 psi	15.0 MPa	ASTM D790
Taber Abrasion Resistance			ASTM D3389
1000 Cycles, 1000 g, H-22 Wheel	192 mg	192 mg	
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set (100% Strain)	9 %	9 %	ASTM D412
Tensile Stress			ASTM D412
50% Strain	200 psi	1.38 MPa	
100% Strain	260 psi	1.79 MPa	
300% Strain	650 psi	4.48 MPa	
Tensile Strength ² (Yield)	1130 psi	7.79 MPa	ASTM D412
Tensile Elongation (Break)	750 %	750 %	ASTM D412
Tear Strength	162 lbf/in	28.4 kN/m	ASTM D624
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Impact (-22°F (-30°C))	> 320 in-lb	> 36.2 J	ASTM D5420
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	50 to 60	50 to 60	
Shore A, 10 sec	48 to 58	48 to 58	
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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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