Technical Data Sheet

Softflex 0615

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

General	
Uses	• Overmolding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.994	0.992 g/cm³	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.