

Softflex ASA 2910

Thermoplastic Elastomer Alloy

LyondellBasell Industries

Engineering Plastics

General			
Uses	• Automotive Applications	• Marine Applications	• Sporting Goods
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Coextrusion		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (200°C/5.0 Kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Taber Abrasion Resistance 1000 Cycles, 1000 G, H-22 Wheel	241 mg	241 mg	ASTM D3389

Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Peel Strength - 90°	6.0 lbf/in	1.1 kN/m	ASTM D429

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set (100% Strain)	4 %	4 %	ASTM D412
Tensile Stress			ASTM D412
50% Strain	218 psi	1.50 MPa	
100% Strain	289 psi	1.99 MPa	
300% Strain	487 psi	3.36 MPa	
Tensile Strength ² (Yield)	1640 psi	11.3 MPa	ASTM D412
Tensile Elongation (Break)	870 %	870 %	ASTM D412
Tear Strength	256 lbf/in	44.8 kN/m	ASTM D624
Compression Set			ASTM D395B
73°F (23°C), 22 Hr	39 %	39 %	
158°F (70°C), 22 Hr	96 %	96 %	
212°F (100°C), 22 Hr	98 %	98 %	

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Impact (73°F (23°C))	280 in·lb	31.6 J	ASTM D5420

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	91	91	
Shore A, 10 Sec	85	85	

Additional Information	Nominal Value (English)	Nominal Value (SI)
Overmold Bonding	ABS, PC, ABS/PC, PPO	ABS, PC, ABS/PC, PPO

Notes

¹ Procedure A² 20 in/min (510 mm/min)

Notes

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

