

Technical Data Sheet

**Softflex ASA 2910**

Thermoplastic Elastomer Alloy
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
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			ASTM D3389
1000 Cycles, 1000 g, H-22 Wheel	241 mg	241 mg	
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	

Notes¹ Procedure A² 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.

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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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