Technical Data Sheet

Softflex® ASA 2910

Thermoplastic Elastomer Alloy
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/cm³	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
Molding Shrinkage			ASTM D955
Flow : 0.125 in (3.18 mm)	8.0E-3 in/in	0.80 %	
Across Flow : 0.125 in (3.18 mm)	8.0E-3 in/in	0.80 %	
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

Notes

[1] Procedure A

[2] 20 in/min (510 mm/min)

Notes

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