

Soffflex TPU 2910 1001 UV

LyondellBasell Industries - Thermoplastic Elastomer Alloy

General Information

Product Description

Soffflex TPU 2910 1001 UV is a Thermoplastic Elastomer Alloy material and is typically used in Coextrusion applications.

General

Uses	<ul style="list-style-type: none"> Automotive Applications Marine Applications Sporting Goods
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Coextrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) ² (200°C/5.0 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance 1000 Cycles, 1000 g, H-22 Wheel	241	mg	ASTM D3389
Films	Nominal Value	Unit	Test Method
Peel Strength - 90°	6.0	lbf/in	ASTM D429
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	4	%	ASTM D412
Tensile Stress (50% Strain)	218	psi	ASTM D412
Tensile Stress (100% Strain)	289	psi	ASTM D412
Tensile Stress (300% Strain)	487	psi	ASTM D412
Tensile Strength ³ (Yield)	1640	psi	ASTM D412
Tensile Elongation (Break)	870	%	ASTM D412
Tear Strength	256	lbf/in	ASTM D624
Compression Set			ASTM D395B
73°F, 22 hr	39	%	
158°F, 22 hr	96	%	
212°F, 22 hr	98	%	
Impact	Nominal Value	Unit	Test Method
Gardner Impact (73°F)	280	in-lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	91		
Shore A, 10 sec	85		

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A

³ 20 in/min