

Technical Data Sheet

Softflex TPU 2910 1001 UV



Thermoplastic Elastomer Alloy

Product Description

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

Regulatory Status

For regulatory compliance information, see TPU 2910 1001 UV [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Coextrusion
Forms	Pellets
Appearance	Colors Available
Application	Automotive Applications; Marine Applications; Sporting Goods

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (200 °C/5.0 kg, Procedure A)	0.30	g/10 min	0.30	g/10 min	ASTM D1238
Density - Specific Gravity	1.03	g/cm ³	1.03	g/cm ³	ASTM D792
Mechanical					
Tensile Stress at 100%			1.99	MPa	ASTM D412
Tensile Stress at 300%			3.36	MPa	ASTM D412
Tensile Stress at 50%			1.5	MPa	ASTM D412
Tensile Set, (100%)	4	%	4	%	ASTM D412
Tensile Strength at Yield, (510 mm/min)			11.3	MPa	ASTM D412
Tensile Elongation at Break	870	%	870	%	ASTM D412
Tear Strength			44.8	kN/m	ASTM D624
Impact					
Gardner Impact, (23 °C)			31.6	J	ASTM D5420
Hardness					
Durometer Hardness					
(Shore A)	91		91		ASTM D2240
(Shore A, 10 sec)	85		85		ASTM D2240
Additional Information					
Compression Set					
(100 °C, 22 hr, Method B)	98	%	98	%	ASTM D395
(23 °C, 22 hr, Method B)	39	%	39	%	ASTM D395
(70 °C, 22 hr, Method B)	96	%	96	%	ASTM D395
Peel Strength 90°	6	lbf/in			ASTM D429
Taber Abrasion Resistance, (H-22 Wheel, 1000 g, 1000 Cycles)			241	mg	ASTM D3389

Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

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.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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