

Soffflex 2701 7450 WHITE BLEND

LyondellBasell Industries - Thermoplastic Elastomer

General Information

Product Description

Soffflex 2701 7450 WHITE BLEND is a Thermoplastic Elastomer material.

General

Uses • Overmolding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.994		ASTM D792
Melt Mass-Flow Rate (MFR) ² (235°C/1.0 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance 1000 Cycles, 1000 g, H-22 Wheel	58.9	mg	ASTM D3389
Films	Nominal Value	Unit	Test Method
Peel Strength - 90°	20	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	298	lbf/in	ASTM D624
Compression Set			ASTM D395B
73°F, 22 hr	22	%	
158°F, 22 hr	73	%	
212°F, 22 hr	89	%	
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-22°F)	239	in-lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	48		
Shore A, 10 sec	45 to 55		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	129 to 151	°F
Drying Time	4.0 to 6.0	hr
Rear Temperature	320 to 360	°F
Middle Temperature	340 to 379	°F
Front Temperature	410 to 430	°F
Nozzle Temperature	390 to 421	°F
Processing (Melt) Temp	379 to 410	°F
Mold Temperature	81 to 120	°F

Soffflex 2701 7450 WHITE BLEND

LyondellBasell Industries - Thermoplastic Elastomer

Injection	Nominal Value	Unit
Injection Pressure	500 to 600	psi
Holding Pressure	200 to 801	psi
Back Pressure	75.0 to 149	psi
Screw Speed	20 to 40	rpm

Notes

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

² Procedure A

³ 20 in/min