

VolcaLite® VLSTDA.0901BT

Polypropylene

Azdel, Inc.

Message:

AZDEL VolcaLite VLSTDA.0901BT is a thermoformable, thermoplastic composite sheet comprised of a low- density polypropylene and chopped basalt-fiber core, combined with a PET scrim with barrier film attached to one surface and a perforated adhesive film to the other surface. This material is typically used as a substrate in semi- structural applications where a very high strength-to-weight ratio is required, such as in automotive headliners, door panels, rear parcel shelves, sunshades and other interior trim.

General Information			
Filler / Reinforcement	Basalt Fiber		
Features	High Strength		
	Low Density		
Uses	Automotive Applications		
	Structural Parts		
	Thermoforming Applications		
Appearance	Clear/Transparent		
	Natural Color		
	White		
Forms	Sheet		
Processing Method	Thermoforming		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			Internal Method
MD	4.0	kN/m	
TD	2.9	kN/m	
Flexural Strength			Internal Method
MD Peak Load	24	N	
TD Peak Load	20	N	
Base Weight			ASTM D3776
Low Density Core	900	g/m ²	
Total (including film and scrim)	1000	g/m ²	
Permeability - Air	None		
Sheet Thickness	2.70	mm	
Thermal	Nominal Value	Unit	
Continuous Use Temperature ¹	105	°C	
NOTE			
1.	Maximum		

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Recommended distributors for this material

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