

Description

Ultem 1100B White film is a high performance thermoplastic Polyetherimide material. The combination of high temperature resistance, flame resistance, low moisture absorption and excellent dielectric properties makes Ultem film a good candidate for a broad range of electronics and electronic applications and as material in the backsheets of photovoltaic cells. Ultem film products are thermo-formable and can be heat-sealed to a wide variety of materials.

Gauges:	100 µm (0,004")
Standard roll width:	1270 mm (50")
Texture:	polish / matte
Color code:	WH9C287
Color:	White

Typical Property Values ♦

Property	Test Method	Units	Value
Physical			
Specific Gravity	ISO 1183	g/cc	1.49
Mechanical			
Tensile Modulus	ISO R527	MPa	3790
Tensile Strength @ Yield	ISO R527	Mpa	107
Tensile Elongation @ Yield	ISO R527	%	5.6
Tensile Strength @ Break	ISO R527	Mpa	92
Tensile Elongation @ Break	ISO R527	%	21
Tear Strength Initiation MD	ASTM D1004	N/mm	227
Tear Strength Initiation TD	ASTM D1004	N/mm	238
Tear Strength Propagation MD	ASTM D1938	N/mm	6.6
Tear Strength Propagation TD	ASTM D1938	N/mm	7.0
Thermal			
Shrinkage @ 170°C / 30min MD	IPC-TM-650	%	0.182
Shrinkage @ 170°C / 30min TD	IPC-TM-650	%	0.69
Shrinkage @ 200°C / 30min MD	IPC-TM-650	%	0.286
Shrinkage @ 200°C / 30min TD	IPC-TM-650	%	0.257
Glass Transition Temperature	DMA	°C	217
Electrical			
Dielectric strength, in oil	ASTM D 149-97a	Volts AC - DC	9000 - 26000

- ♦ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local SABIC Innovative Plastics' representative or the Quality Services Department.

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