



Aurora Technologies

Material Data Sheet

Lexan® 9034

Description:

Lexan® 9034 uncoated polycarbonate sheet is the standard grade of LEXAN sheet for transparent protective glazing. High-impact LEXAN 9034 sheet can be utilized for primary glazing, or on either side of existing glazing for economical protection against breakage or intrusion. A better insulator than glass, LEXAN 9034 sheet contributes to lower energy costs.

Typical Properties:

	<u>Units</u>	<u>Lexan®9030</u>
Physical		
Color	-	Clear
Light Transmission (1/8" disk)	%	88
Rockwell Hardness	-	M70
Water Absorption	%	.15
UL Flammability		
Horizontal Burn (Flame Spread)	in.	>1
Mechanical		
Tensile Strength	PSI	9,000
Flexural Strength	PSI	13,500
Compressive Strength	PSI	12,500
Shear Strength	PSI	6,000
Impact Strength,Izod,Edgewise	Ft.lbs/In.(notch)	12-16
Electrical		
Arc Resistance		
Stainless Steel Strip	Seconds	10-11
Tungsten Electrodes	Seconds	120
Dielectric Constant (10Hz)	-	2.96
Dielectric Constant (60Hz)	-	3.17
Power Factor (60Hz)	-	0.0009
Power Factor (1MHz)	-	0.010

* *All of the properties listed above are typical values. These properties may vary based upon the manufacturer and environmental conditions. If specific criterion is to be met, then please contact one of our sales representatives for further evaluation.