

# LEXAN FR700 POLYCARBONATE FILM

## POLYCARBONATE FILM

### PHYSICAL PROPERTIES

Density	ISO 1183	Kg/M <sup>3</sup>	1344
Moisture absorption 24hrs in water 23 °C	ASTM D570	% change	0.28

### MECHANICAL PROPERTIES

Tensile Strength at yield	ISO R527	MPa	70
Tensile Modulus	ISO R527	MPa	2200
Tensile Elongation at Yield	ISO R527	%	
Ultimate Tensile Strength	ISO R527	MPa	60
Tensile Elongation @ Break	ISO R527	%	100-155
Tear Strength Initiation	ASTM D1004	Lb/mil	1.43
Tear Strength Propagation	ASTM D1922	g/mil	18.8

Technical Data Sheet

## FURTHER INFORMATION

### Electrical Properties

Volume Resistivity	ASTM D257	O – cm	1.00E+17
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### Thermal Properties

Co efficient Thermal Expansion	ASTM E831	(x10 <sup>-5</sup> /°F)	3.2
Shrinkage @ 150°C	ASTM D1204	%	0.02

### Fire Behaviour

UL Performance	UL94		V-0
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The above data is based on present knowledge and is given without guarantee.  
Existing laws and conditions are to be respected by the user of our products.

**PARTWELL LIMITED**  
CUTTING TECHNOLOGY SPECIALISTS  
ORDER TELEPHONE: 01254 671875

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