

LEXAN FR700 POLYCARBONATE FILM

POLYCARBONATE FILM

PHYSICAL PROPERTIES

Density	ISO 1183	Kg/M ³	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
--------------------	-----------	--------	----------

Thermal Properties

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

Fire Behaviour

UL Performance	UL94		V-0
----------------	------	--	-----

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

T000059U/1.PPT 1/5 02/06