

TufCoat™ 4600

Polymethyl Methacrylate Acrylic
Lucite International Inc.

Message:

Designed for co-extrusion onto PVC for the manufacture of window and door lineals, sashes, fencing, decking, railing and other products which require high impact and a low gloss finish.

General Information			
Features	High Impact Resistance		
	Low Gloss		
Uses	Building Materials		
	Capstock		
	Construction Applications		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	4		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2310	MPa	ASTM D638
Tensile Strength	21.4	MPa	ASTM D638
Tensile Elongation (Break)	26	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength	36.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Gardner Impact ¹	5.31	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.2	°C	ASTM D648
Vicat Softening Temperature	82.2	°C	ASTM D1525 ²
Optical	Nominal Value	Unit	Test Method
Transmittance	55.0	%	ASTM D1003
NOTE			
1.	Method G, Geometry GB		
2.	Rate A (50°C/h)		

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