

TufCoat™ 4550

Polymethyl Methacrylate Acrylic
Lucite International Inc.

Message:

Designed for co-extrusion onto HIPS, ABS and PVC for the manufacture of signage, shutters, garage doors and paneling for agricultural and recreational vehicles and other products which require high impact and low gloss.

General Information			
Features	High Impact Resistance		
	Low Gloss		
Uses	Agricultural Applications		
	Automotive Applications		
	Capstock		
	Decorative Displays		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.5	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	1740	MPa	ASTM D638
Tensile Strength	24.8	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	91	J/m	ASTM D256
Gardner Impact ¹	4.52	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	88.3	°C	ASTM D1525 ²
Optical	Nominal Value	Unit	Test Method
Transmittance	35.0	%	ASTM D1003
NOTE			
1.	Method G, Geometry GB		
2.	Rate A (50°C/h)		

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