

# LUCITE® 47G

Polymethyl Methacrylate Acrylic  
Lucite International Inc.

Message:

LUCITE® 47G is a Polymethyl Methacrylate Acrylic material. It is available in North America.  
Important attributes of LUCITE® 47G are:  
Low to No Odor/Taste  
Chemical Resistant  
Corrosion Resistant  
Good UV Resistance  
Good Weather Resistance

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Corrosion Resistance		
	Good UV Resistance		
	Good Weather Resistance		
	High Hardness		
	Low to No Odor		
	Low to No Taste		
	Non-Toxic		
Appearance	Clear/Transparent		
	White		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	71.7	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.491		ASTM D542
Transmittance	92.0	%	ASTM D1003

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