

LUCITE® 4F

Polymethyl Methacrylate Acrylic
Lucite International Inc.

Message:

LUCITE® 4F is a Polymethyl Methacrylate Acrylic material. It is available in North America for casting or embedment/embedding.
Important attributes of LUCITE® 4F are:
Low to No Odor/Taste
Chemical Resistant
Corrosion Resistant
Good UV Resistance
Good Weather Resistance
Typical applications include:
Food Contact Applications
Medical/Healthcare

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		
Uses	Dental Applications		
Agency Ratings	FDA Unspecified Rating		
Appearance	Clear/Transparent		
	White		
Forms	Sheet		
Processing Method	Casting		
	Embedment/Embedding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.45	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	63		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638

Optical	Nominal Value	Unit	Test Method
Refractive Index	1.491		ASTM D542
Transmittance	92.0	%	ASTM D1003

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Recommended distributors for this material

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