

LUCITE® Acritherm™ HS3125

Polymethyl Methacrylate Acrylic

Lucite International Inc.

Message:

LUCITE® Acritherm™ HS3125 is a Polymethyl Methacrylate Acrylic material. It is available in North America for extrusion or injection molding. Primary attribute of LUCITE® Acritherm™ HS3125: Heat Resistant.

General Information			
Features	High Heat Resistance		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	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)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	3280	MPa	ASTM D790
Flexural Strength (Yield)	99.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Transmittance	90.7	%	ASTM D1003

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Recommended distributors for this material

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