

Implex® Implex Plus

Polymethyl Methacrylate Acrylic
Altuglas International of Arkema Inc.

Message:

Additional Application(s):
Quantity and Custom Signs

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
	Good Weather Resistance		
	High Clarity		
	Machinable		
	Paintable		
	Solvent Resistant		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength (Yield)	55.8	MPa	ASTM D638
Tensile Elongation (Yield)	4.8	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength (Yield)	96.5	MPa	ASTM D790
Compressive Strength	101	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 12.7 mm)	36	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	84.4	°C	ASTM D648
CLTE - Flow	7.4E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.091	W/m/K	ASTM C177
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance	91.1	%	ASTM D1003

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