

Plexicast Acrylic Product Data

PHYSICAL PROPERTIES OF PLEXICAST ACRYLIC			
	PROPERTY	UNIT	VALUE
MECHANICAL	Specific Gravity	—	1.19-1.2
	Rockwell Hardness	gk/cm ²	M-100
	Shear Strength	gk/cm ²	630
	Flexural Strength	gk/cm ²	1050
	Tensile Strength	gk/cm ²	760
	Compressive Strength	gk/cm ²	1260
	Specific Heat	Cal/gr°C	0.35
ELECTRICAL	Dielectric Strength	Kv/mm	20
	Surface Resistivity	Ohm	>10 ¹⁶
OPTICAL	Light Transmittance	%	93
	Refractive Index	—	
THERMAL	Coefficient of Thermal Conductivity	Cal/see/cm/°C/cm	
	Hot Foming Temp	°C	140-180
	Hot Deformation Temp	°C	100
	Thermal Expansion Coefficient	Cm/cm/°C	6x10-5
MISCELLANEOUS	Water Absorption(24Hrs)	%	0.3
	Taste	%	None
	Odor		



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