20 Progress Drive
Morrisville, PA 19067
215-736-1126
215-736-1128 [fax]

Product Data Sheet

Product ACR100IM

Colorfast®

High impact version, extrusion or injection molding PMMA

PHYSICAL	Test Method	Typical Values, Units
Specific Gravity	ASTM D792	1.15 g/cm 3
Melt Flow Rate (230 C/3800g)	ASTM D1238	1.0 g/10 min
Mold Shrinkage Linear Flow (0.125)	ASTM D955	.002 to .006 in/in
Water Absorption @ 24 hrs	ASTM D955	N/R %

IMPACT	Test Method	Typical Values, Units
Izod Impact Strength Notched (73 F)	ASTM D256	1.1 ft-lb/in
(-22 F)		CA1000E2 ft-lb/in

MECHANICAL	Test Method	Typical Values, Units
Tensile Strength @ Yield**	ASTM D638	5500 psi
Tensile Strength @ Break**	N/A	N/R psi
Elongation @ Yield*	ASTM D638	5 %
Elongation @ Break*	ASTM D638	35 %
Flexural Strength***	ASTM D790	10000 psi
Flexural Modulus***	ASTM D790	270000 psi

HARDNESS	Test Method	Typical Values, Units
Hardness (M-scale)	ASTM D785	45

THERMAL	Test Method	Typical Values, Units
DTUL @ 264 psi Unannealed (.250)	ASTM D648	175 °F

IGNITION CHARACTERISTICS	Test Method	Typical Values, Units
UL File Number		
Flame Rating - UL		

* % elongation values are calculated from the elongation of the entire bar at 2.0 in/min
** Tensile strength values are calculated at 2.0 in/min
*** Flexural data is calculated at 2.0 in/min

The values shown are typical values that have been obtained using test bars molded from laboratory samples and are not intended for specification purposes. These values are for natural colors only. Addition of pigments may alter some values. Inasmuch as LTL Color Compounders has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own test to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any LTL Color Compounders patent covering such use or as recommendations for use of such materials in the infringement of any patent. These are developmental products with estimated physical property profiles. Actual values will need to be determined upon production of material.