HR0370 has well enough mechanical properties for the practical use in terms of process ability, impact strength and etc.

Features: Its use is sometimes limited at high temperature due to the deformation of its molded products by heat. So High Heat Resistant ABS (HR0370) offers an attractive alternative to general purpose ABS and other engineering plastics making it suitable for the applications designed for the use at high temperature.

Processing Method: injection molding-extrusion

Application: Automotive interior, Cockpit module parts, Power window, Switch panel, Pull handle, Console

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	1.2
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	17
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	℃	ASTM D-1525	102
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	450
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	400
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	35
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	600
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	20000
HDT(0.45 MPA &120°C/HR)	℃	ASTM D-648	84
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	106 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.