

HR2340 is one of the styrenic ter polymers (ABS) grades with improved toughness and heat resistance versus HIPS grades. **Features:** HR2320 exhibits low shrinkage and good dimensional stability. HR2340 is widely used in general injection molding applications. **Processing Method:** injection molding **Application:** furniture, automotive parts, general injection molding, appliances casing and home appliances with heat resistance characteristics.

#### Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	1
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m <sup>2</sup>	ASTM D-256	40
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	112
BULK DENSITY	Kg/m <sup>3</sup>	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm <sup>2</sup>	ASTM D-638	480
TENSILE STRENGTH AT BREAK	Kgf/cm <sup>2</sup>	ASTM D-638	470
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	110
FLEXURAL STRENGTH AT YIELD	Kgf/cm <sup>2</sup>	ASTM D-790	600
FLEXURAL MODULUS	Kgf/cm <sup>2</sup>	ASTM D-790	22000
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	94
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	110 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.