

HR2320 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. HR2320 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 | 1.2 |
| IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%) | Kj/m ² | ASTM D-256 | 20 |
| VICAT SOFTENING POINT (50N LOAD&50°C/HR) | °C | ASTM D-1525 | 103 |
| BULK DENSITY | Kg/m ³ | ASTM D-1895 | 600 |
| TENSILE STRENGTH AT YEILD | Kgf/cm ² | ASTM D-638 | 470 |
| TENSILE STRENGTH AT BREAK | Kgf/cm ² | ASTM D-638 | 450 |
| ELONGATION AT YEILD | % | ASTM D-638 | 4 |
| ELONGATION AT BREAK | % | ASTM D-638 | 90 |
| FLEXURAL STRENGTH AT YIELD | Kgf/cm ² | ASTM D-790 | 600 |
| FLEXURAL MODULUS | Kgf/cm ² | ASTM D-790 | 21000 |
| HDT(0.45 MPA &120°C/HR) | °C | ASTM D-648 | 87 |
| ROCKWELL HARDNESS(AT 23°C) | - | ASTM D-785 | 107 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.