

**DESCRIPTION**

Absolac ® 320 is an easy-flow, standard impact, refrigerant injection molding grade suitable for appliances sector.

**FEATURES**

- Good chemical resistance
- Refrigeration grade
- Good flow
- Balance mechanical properties

**APPLICATIONS**

- Refrigerator parts
- End cap
- Washing machine parts
- Water Purifiers

| Property, Test Condition   | Standard    | Unit                 | Values    |
|--|-------------|----------------------|-----------|
| <b>Rheological Properties</b>  |             |                      |           |
| Melt Flow Rate, 220 °C/10 kg   | ISO 1133    | g/10 min             | 16        |
| <b>Mechanical Properties</b>   |             |                      |           |
| Izod Notched Impact Strength, 1/4" bar, 0.010" Notch Radius, 23 °C (73 °F) |             |                      | 20        |
| Tensile Stress at Yield, 23 °C   | ISO 527     | MPa                  | 52        |
| Tensile Modulus (MD)   | ISO 527     | MPa                  | 2600      |
| Flexural Strength, 23 °C   | ISO 178     | MPa                  | 75        |
| Flexural Modulus, 23 °C  | ISO 178     | MPa                  | 2700      |
| Hardness, Rockwell   | ISO 2039-2  | R scale              | 110       |
| <b>Thermal Properties</b>  |             |                      |           |
| Vicat Softening Temperature, B/2 (120 °C/h, 50N)                           | ASTM D 1525 | °C                   | 98        |
| Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)               | ISO 75      | °C                   | 93        |
| Coefficient of Linear Thermal Expansion                                    | ISO 11359   | 10 <sup>-6</sup> /°C | 70 to 100 |
| <b>Optical Properties</b>  |             |                      |           |
| Specular Gloss, 60 °   | ASTM D 523  | %                    | +98       |
| <b>Other Properties</b>  |             |                      |           |
| Density  | ISO 1183    | kg/m <sup>3</sup>    | 1040      |
| <b>Processing</b>  |             |                      |           |

# Absolac 320

## TECHNICAL DATASHEET

| Property, Test Condition | Standard  | Unit | Values     |
|--------------------------|-----------|------|------------|
| Linear Mold Shrinkage    | ISO 294-4 | %    | 0.4 to 0.6 |