

## Polypropylene CP 284R

### Sub-group:

Heterophasic Copolymer

### Description:

CP 284R is an heterophasic copolymer designed for injection molding of pails and containers with excellent stiffness/impact strenght balance. This resin also exhibits excellent produtivity and processability.

### Applications:

Good stiffness parts; Household; Industrial pails.

### Processing:

Injection Moulding

### Control Property:

|                                | ASTM Method | Units    | Values |
|--------------------------------|-------------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238      | g/10 min | 14     |

### Typical Properties<sup>a</sup>:

|                                                | ASTM Method | Units             | Values |
|------------------------------------------------|-------------|-------------------|--------|
| Density                                        | D 792       | g/cm <sup>3</sup> | 0.895  |
| Flexural Modulus – 1% secant                   | D 790       | MPa               | 1200   |
| Tensile Strength at Yield                      | D 638       | MPa               | 22     |
| Tensile Elongation at Yield                    | D 638       | %                 | 6      |
| Rockwell Hardness (R Scale)                    | D 785       | -                 | 66     |
| Notched Izod Impact Strength at 23°C           | D 256       | J/m               | 140    |
| Notched Izod Impact Strength at -20°C          | D 256       | J/m               | 60     |
| Deflection Temperature under Load at 0.455 MPa | D 648       | °C                | 100    |
| Deflection Temperature under Load at 1.820 MPa | D 648       | °C                | 56     |
| Vicat Softening Temperature at 10 N            | D 1525      | °C                | 143    |

a) Injection molded specimen according to ASTM D 4101.

