

## Polypropylene EP 548S

### Sub-group:

Heterophasic Copolymer

### Description:

EP 548S is a heterophasic copolymer of high fluidity, which provides high rigidity and resistance to the average impact. Due to its good organoleptic properties, it is recommended for use in packaging of food products that require low transfer of odor and taste.

### Applications:

Injection Molding of toys, thin-walled rigid containers, home utilities and others.

### Processing:

Injection Molding

### Control Property:

|                                | ASTM Method | Units    | Values |
|--------------------------------|-------------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238      | g/10 min | 44     |

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

|  | ASTM Method | Units             | Values |
|--|-------------|-------------------|--------|
| Density  | D 792       | g/cm <sup>3</sup> | 0.903  |
| Flexural Modulus – 1% secant                   | D 790       | MPa               | 1350   |
| Tensile Strength at Yield                      | D 638       | MPa               | 27     |
| Tensile Elongation at Yield                    | D 638       | %                 | 6      |
| Hardness Shore D                               | D 2240      | -                 | 71     |
| Notched Izod Impact Strength at 23°C           | D 256       | J/m               | 60     |
| Notched Izod Impact Strength at -20°C          | D 256       | J/m               | 35     |
| Deflection Temperature under Load at 0.455 MPa | D 648       | °C                | 108    |
| Vicat Softening Temperature at 10 N            | D 1525      | °C                | 145    |

a) Injection molded specimen according to ASTM D 4101.

