



# SABIC<sup>®</sup> PP 512MK40T

POLYPROPYLENE IMPACT COPOLYMER  
REGION ASIA

## DESCRIPTION

SABIC<sup>®</sup> PP 512MK40T is a high fluidity polypropylene impact copolymer with good processability, high stiffness and medium impact strength. It contains nucleating & antistatic agents.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 512MK40T can be used for home appliance parts and thin-walled injection articles.

## TYPICAL PROPERTY VALUES

| PROPERTIES                                           | TYPICAL VALUES | UNITS             | TEST METHODS |
|------------------------------------------------------|----------------|-------------------|--------------|
| <b>POLYMER PROPERTIES</b>                            |                |                   |              |
| <b>Melt Flow Rate</b>                                |                |                   |              |
| at 230°C and 2.16kg                                  | 40             | g/10 min          | ISO 1133     |
| <b>Density</b>                                       | 905            | kg/m <sup>3</sup> | ASTM D1505   |
| <b>MECHANICAL PROPERTIES</b>                         |                |                   |              |
| <b>Tensile Strength at Yield</b>                     | 25             | MPa               | ASTM D638    |
| <b>Flexural Modulus (1% Secant)</b>                  | 1350           | MPa               | ASTM D790 A  |
| <b>Charpy Impact Strength Notched <sup>(1)</sup></b> |                |                   |              |
| at 23 °C                                             | 9              | kJ/m <sup>2</sup> | ISO 179-1    |
| at -20 °C                                            | 5              | kJ/m <sup>2</sup> | ISO 179-1    |
| <b>Rockwell Hardness</b>                             |                |                   |              |
| R-scale                                              | 95             | -                 | ISO 2039-2   |
| <b>THERMAL PROPERTIES</b>                            |                |                   |              |
| <b>Heat deflection temperature</b>                   |                |                   |              |
| at 455kPa                                            | 100            | °C                | ISO 75-2     |

(1) Based on injection molded specimens.