



# SABIC® PP 87MK40T

POLYPROPYLENE IMPACT COPOLYMER  
REGION ASIA

## DESCRIPTION

SABIC® PP 87MK40T is a medium fluidity polypropylene impact copolymer with very high impact strength and high stiffness. It contains nucleating & antistatic agents.

## TYPICAL APPLICATIONS

SABIC® PP 87MK40T is suitable for the production of child safety seat, toys, battery case, suitcase and compounding.

## TYPICAL PROPERTY VALUES

Revision 20220429

| PROPERTIES                            | TYPICAL VALUES | UNITS             | TEST METHODS |
|---------------------------------------|----------------|-------------------|--------------|
| <b>POLYMER PROPERTIES</b>             |                |                   |              |
| <b>Melt Flow Rate (MFR)</b>           |                |                   |              |
| @230°C&2.16kg                         | 8              | g/10 min          | ISO 1133     |
| <b>Density</b>                        |                |                   |              |
| @23°C                                 | 905            | kg/m <sup>3</sup> | ISO 1183     |
| <b>MECHANICAL PROPERTIES</b>          |                |                   |              |
| <b>Tensile strength</b>               |                |                   |              |
| @Yield                                | 23             | MPa               | ISO 527-2    |
| <b>Flexural Modulus</b>               |                |                   |              |
| (1% Secant)                           | 1200           | MPa               | ISO 178      |
| <b>Charpy Impact Strength Notched</b> |                |                   |              |
| @23°C                                 | 30             | kJ/m <sup>2</sup> | ISO 179-1    |
| @-20°C                                | 6.5            | 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>    |                |                   |              |
| @455kPa                               | 90             | °C                | ISO 75-2     |

## STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.

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