

SABIC® PP 37M10R

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 37M10R is an impact copolymer polypropylene resin and is typically used for industrial injection molding application. Molded parts made from this resin typically exhibits good impact, high stiffness and good heat stability.

TYPICAL APPLICATIONS

Crates, electrical appliances, thin wall applications and industrial applications.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---------------------------------------|----------------|---------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| @ 230°C / 2.16 kg | 9 | g / 10 min | ASTM D1238 |
| MECHANICAL PROPERTIES | | | |
| Tensile Strength at Yield | 24 | MPa | ASTM D638 |
| Tensile Strength at Break | 18 | MPa | ASTM D638 |
| Flexural Modulus | 1200 | MPa | ASTM D790 |
| Izod Impact Strength | | | |
| Notched, 23°C | 10 | kJ / m ² | ISO 180 |
| Notched, -20°C | 4 | kJ / m ² | ISO 180 |
| Rockwell Hardness, R-Scale | 90 | - | ASTM D785 |
| THERMAL PROPERTIES | | | |
| Heat Deflection Temperature at 455kPa | 106 | °C | ASTM D648 |

