



## JM-380 UGCC Block Polypropylene (Injection grade)

### Description

JM-380 is high impact block copolymer which has more ethylene contents than normal block copolymer. This grade is designed to be processed in conventional Injection molding equipment. JM-380 shows Ultra high melt flow, controlled rheology and has medium impact resistance and high strength and stiffness. This grade is appropriate for energy saving and multi-cavity injection molding.

### Application

General domestic supplies, Base resin for automotive parts  
Big size injection molding products, electric home appliances

| Physical Properties*                                         |                 |                      |           |
|--------------------------------------------------------------|-----------------|----------------------|-----------|
| Physical                                                     | Testing methods | Nominal values       |           |
| Density (by Gradient technique)                              | ASTM D 1505     | gr/cm <sup>3</sup>   | 0.85-0.95 |
| Melt Flow Rate                                               | ASTM D 1238     | g/10min              | 55-65     |
| Mechanical                                                   |                 |                      |           |
| Tensile Strength at Yield, min.                              | ASTM D 638      | kg f/cm <sup>2</sup> | 240       |
| Elongation at Break, min.                                    | ASTM D 638      | %                    | 30        |
| Flexural Modulus, min.                                       | ASTM D 790      | kg f/cm <sup>2</sup> | 11000     |
| Impact                                                       |                 |                      |           |
| Izod Impact Strength (23 °C), min.                           | ASTM D 256      | kg f cm/cm           | 5.0       |
| Izod Impact Strength (-10 °C), min.                          | ASTM D 256      | kg f cm/cm           | 3.0       |
| Thermal                                                      |                 |                      |           |
| Heat Distortion Temperature (4.6 kgf/cm <sup>2</sup> ), min. | ASTM D 648      | °C                   | 90        |

Note: Above data are based on information provided by Licensor and it is not to be construed as specifications, the latest exact data can be obtained from Uz-Kor Gas Chemical Central Plant Laboratory