

## POLYPROPYLENE



## IMPACT COPOLYMER

## HI-PRENE M520G

| Typical Properties              | Test Method | Units             | Result |
|---------------------------------|-------------|-------------------|--------|
| Physical                        |             |                   |        |
| Melt Index (2.16kg @230°C)      | ASTM D1238  | g/10min           | 3.0    |
| Density                         | ASTM D792   | g/cm <sup>3</sup> | 0.90   |
| Mechanical                      |             |                   |        |
| Tensile Strength                | ASTM D638   | MPa               | 28     |
| Elongation at Break             | ASTM D638   | %                 | >300   |
| Flexural Modulus                | ASTM D790   | MPa               | 1,300  |
| Izod Impact (@23°C, Notched)    | ASTM D256   | J/m               | 100    |
| Izod Impact (@-10°C, Notched)   | ASTM D256   | J/m               | 40     |
| Rockwell Hardness               | ASTM D785   | R scale           | 90     |
| Thermal                         |             |                   |        |
| Heat Deflection Temp. (0.45MPa) | ASTM D648   | °C                | 100    |

※ Results may vary depending on environment conditions and /or devices.

# POLYPROPYLENE



## IMPACT COPOLYMER

# HI-PRENE M520G

| Typical Properties                     | Test Method | Units             | Result |
|----------------------------------------|-------------|-------------------|--------|
| <b>Physical</b>                        |             |                   |        |
| <b>Melt Index</b> (2.16kg @230°C)      | ISO 1133    | g/10min           | 3.0    |
| <b>Density</b>                         | ISO 1183    | g/cm <sup>3</sup> | 0.90   |
| <b>Mechanical</b>                      |             |                   |        |
| <b>Tensile Strength</b>                | ISO 527     | MPa               | 26     |
| <b>Elongation at Break</b>             | ISO 527     | %                 | >300   |
| <b>Flexural Modulus</b>                | ISO 178     | MPa               | 1,250  |
| <b>Izod Impact</b> (@23°C, Notched)    | ISO 180     | KJ/m <sup>2</sup> | 8.0    |
| <b>Izod Impact</b> (@-10°C, Notched)   | ISO 180     | KJ/m <sup>2</sup> | 3.5    |
| <b>Rockwell Hardness</b>               | ISO 2039    | R scale           | 90     |
| <b>Thermal</b>                         |             |                   |        |
| <b>Heat Deflection Temp.</b> (0.45MPa) | ISO 75      | °C                | 85     |

※ Results may vary depending on environment conditions and /or devices.