

## POLYPROPYLENE



## Polymer Composite

## HI-PRENE HM44

| Typical Properties          | Test Conditions | Test Method | Units             | Result |
|-----------------------------|-----------------|-------------|-------------------|--------|
| Physical                    |                 |             |                   |        |
| Melt Flow Rate              | 2.16 kg @230°C  | ASTM D1238  | g/10min           | 11     |
| Density                     | -               | ASTM D792   | g/cm <sup>3</sup> | 1.24   |
| Mechanical                  |                 |             |                   |        |
| Tensile Strength at Yield   | 50 mm/min       | ASTM D638   | MPa               | 32     |
| Elongation at Break         | 50 mm/min       | ASTM D638   | %                 | 33     |
| Flexural Strength           | 1.27 mm/min     | ASTM D790   | MPa               | 46     |
| Flexural Modulus            | 1.27 mm/min     | ASTM D790   | MPa               | 5,710  |
| Izod Impact                 | @23°C, Notched  | ASTM D256   | J/m               | 34     |
| Rockwell Hardness           | -               | ASTM D785   | R scale           | 96     |
| Thermal                     |                 |             |                   |        |
| Heat Deflection Temperature | 0.45 MPa        | ASTM D648   | °C                | 144    |

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

May, 2020

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