

## POLYPROPYLENE



## Polymer Composite

## HI-PRENE MT42HS

| Typical Properties          | Test Conditions | Test Method | Units             | Result |
|-----------------------------|-----------------|-------------|-------------------|--------|
| Physical                    |                 |             |                   |        |
| Melt Flow Rate              | 2.16 kg @230°C  | ISO 1133    | g/10min           | 18     |
| Density                     | -               | ISO 1183    | g/cm <sup>3</sup> | 1.05   |
| Mechanical                  |                 |             |                   |        |
| Tensile Strength at Yield   | 50 mm/min       | ISO 527     | MPa               | 23     |
| Elongation at Break         | 50 mm/min       | ISO 527     | %                 | 110    |
| Flexural Strength           | 2 mm/min        | ISO 178     | MPa               | 35     |
| Flexural Modulus            | 2 mm/min        | ISO 178     | MPa               | 2,100  |
| Izod Impact                 | @23°C, Notched  | ISO 180     | kJ/m <sup>2</sup> | 18.2   |
| Izod Impact                 | @-10°C, Notched | ISO 180     | kJ/m <sup>2</sup> | 4.4    |
| Rockwell Hardness           | -               | ISO 2039    | R scale           | 65     |
| Thermal                     |                 |             |                   |        |
| Heat Deflection Temperature | 0.45 MPa        | ISO 75      | °C                | 105    |

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

May, 2020

www.gspolymer.com