

## Rotuba MH Cellulose Acetate

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic , Cellulose Acetate, Molded

**Material Notes:**

Property values at 50% RH.Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Rotuba-MH-Cellulose-Acetate.php](http://www.lookpolymers.com/polymer_Rotuba-MH-Cellulose-Acetate.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.27 g/cc | 0.0459 lb/in <sup>3</sup> | ASTM D792 |
| Water Absorption    | 2.3 %     | 2.3 %                     | ASTM D570 |

| Mechanical Properties      | Metric                | English               | Comments  |
|----------------------------|-----------------------|-----------------------|-----------|
| Hardness, Rockwell R       | 66                    | 66                    | ASTM D785 |
| Tensile Strength, Ultimate | 36.0 MPa              | 5220 psi              | ASTM D638 |
| Tensile Strength, Yield    | 26.0 MPa              | 3770 psi              | ASTM D638 |
| Elongation at Break        | 43 %                  | 43 %                  | ASTM D638 |
| Flexural Yield Strength    | 39.0 MPa              | 5660 psi              | ASTM D790 |
| Flexural Modulus           | 0.110 GPa             | 16.0 ksi              | ASTM D790 |
| Izod Impact, Notched       | 2.35 J/cm             | 4.40 ft-lb/in         | ASTM D256 |
|                            | 0.640 J/cm            | 1.20 ft-lb/in         | ASTM D256 |
|                            | @Temperature -40.0 °C | @Temperature -40.0 °F |           |

| Thermal Properties | Metric | English | Comments                    |
|--------------------|--------|---------|-----------------------------|
| Melting Point      | 150 °C | 302 °F  | Flow temperature, ASTM D569 |

| Processing Properties  | Metric | English | Comments                  |
|------------------------|--------|---------|---------------------------|
| Processing Temperature | 200 °C | 392 °F  | Center barrel temperature |

## Contact Songhan Plastic Technology Co.,Ltd.

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