

Moplen HP5039

Homopolymer



Product Description

Moplen HP5039 is the polypropylene homopolymer manufactured by **Ulsan PP** under the license of **Lyondellbasell** using the **Spheripol** process. **Moplen HP5039** is typically used by customers in rope and band applications with good stretchability.

| | |
|--------------------|--|
| Features | Good processability/ Good stretchability |
| Market | Textile |
| Application | Rope / Band |

| ASTM Data | | | |
|-------------------------------|---------------|--------------------|-------------|
| Typical Properties | Nominal Value | Units | Test Method |
| Melt Flow Rate (230°C,2.16kg) | 4 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Flexural Modulus | 15500 | kg/cm ² | ASTM D790 |
| Tensile Strength at Yield | 340 | kg/cm ² | ASTM D638 |
| Elongation at Yield | 11 | % | ASTM D638 |
| Izod Impact Strength (23°C) | 3 | kgfcm/cm | ASTM D256 |
| Rockwell Hardness | 100 | R-Scale | ASTM D785 |
| Vicat Softening Point | 150 | °C | ASTM D1525 |
| HDT (0.46 N/mm ²) | 102 | °C | ASTM D648 |

1) The above values are typical property values for reference only not be construed as specification limits.

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