

## Moplen HP5030UV

Homopolymer



### Product Description

Moplen HP5030UV is a polypropylene homopolymer. It is formulated with UV stabilizer that helps for weather-ability. Moplen HP5030UV is a homopolymer typically used by customers in high tenacity fiber. Moplen HP5030UV resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Features</b>    | High tenacity with excellent drawability/ Excellent spinnability/ Anti-gas fading property / Weather-ability |
| <b>Market</b>      | Textile                                                                                                      |
| <b>Application</b> | Staple fiber/ Multi-filament/ Industrial fiber                                                               |

### ASTM Data

| Typical Properties            | Nominal Value | Units    | Test Method |
|-------------------------------|---------------|----------|-------------|
| Melt Flow Rate (230°C,2.16kg) | 10            | g/10 min | ASTM D1238L |
| Density                       | 0.9           | g/cm3    | ASTM D1505  |
| Flexural Modulus              | 15000         | kg/cm2   | ASTM D790   |
| Tensile Strength at Yeild     | 340           | kg/cm2   | ASTM D638   |
| Elongation at Yeild           | 10            | %        | ASTM D638   |
| Izod Impact Strength (23°C)   | 2.5           | kgcm/cm  | ASTM D256   |
| Rockwell Hardness             | 104           | R-Scale  | ASTM D785   |
| HDT (0.46 N/mm²)              | 105           | °C       | ASTM D648   |

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

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