

# Moplen HP5030UV



Homopolymer

## Product Description

**Moplen HP5030UV** is a polypropylene homopolymer. It is formulated with UV stabilizer that helps for weather-ability. This grade is 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.

**Features** High tenacity with excellent drawability / Excellent spinnability / Anti-gas fading property / Weather-ability  
**Market** Textile  
**Application** 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/cm <sup>3</sup>  | ASTM D1505  |
| Flexural Modulus               | 15000         | kg/cm <sup>2</sup> | ASTM D790   |
| Tensile Strength at Yield      | 340           | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Yield            | 10            | %                  | ASTM D638   |
| Izod Impact Strength (23°C)    | 2.5           | kgfcm/cm           | ASTM D256   |
| Rockwell Hardness              | 104           | R-Scale            | ASTM D785   |
| HDT (0.46 N/mm <sup>2</sup> )  | 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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