Technical Data Sheet

# *Moplen* PP567P

Polypropylene, Homopolymer

## Product Description

*Moplen* PP567P is a polypropylene homopolymer used for extrusion applications. *Moplen* PP567P has a very narrow molecular weight distribution and is formulated with an anti-gasfading stabilisation package. *Moplen* PP567P is used for the production of continuous filaments. Typical applications are high-tenacity yarns and spunbond nonwovens.

This grade is not intended for medical and pharmaceutical applications.

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| **Application** | Absorption & Filtration; Bulk Continuous Filament & Continuous Filament; Filament Yarn; Geotextile & Agriculture; Hygiene Nonwoven; Nonwovens; Wipes/Tissues |
| **Market** | Textile |
| **Processing Method** | Continuous Filament/Spinning; Fibers; Spunbond |
| **Attribute** | Controlled Rheology; Gas-fading Resistant; Homopolymer; Narrow Molecular Weight Distribution |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 18 | g/10 min | ISO 1133-1 |
| Density | 0.900 | g/cm³ | ISO 1183-1 |
| **Mechanical** | | | |
| Flexural Modulus | 1300 | N/mm² | ISO 178 |
| Tensile Stress at Break, (23 °C, 50 mm/min) | 21 | N/mm² | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 33 | N/mm² | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C, 50 mm/min) | 700 | % | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C, 50 mm/min) | 11 | % | ISO 527-1, -2 |
| **Thermal** | | | |
| Vicat Softening Temperature, (A50) | 153 | °C | ISO 306 |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 85 | °C | ISO 75B-1, -2 |