

## Technical Data Sheet

### Moplen HP561S



Polypropylene, Homopolymer

#### Product Description

Moplen HP561S is a polypropylene homopolymer used for extrusion applications. Moplen HP561S has a very narrow molecular weight distribution and is formulated with an anti-gasfading stabilisation package. Moplen HP561S is used for the production of continuous filaments. Typical applications are partially-oriented yarns (POY) and spunbond nonwovens.

#### Regulatory Status

For regulatory compliance information, see Moplen HP561S [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Status            | Commercial: Active                                                                                                                  |
| Availability      | Africa-Middle East; Asia-Pacific; Europe                                                                                            |
| Application       | Absorption & Filtration; Filament Yarn; Furniture & Buildings; Geotextile & Agriculture; Hygiene Nonwoven; Nonwovens; Wipes/Tissues |
| Market            | Textile                                                                                                                             |
| Processing Method | Continuous Filament/Spinning; Extrusion Coating; Fibers; Spunbond                                                                   |
| Attribute         | Controlled Rheology; Gas-fading Resistant; High Flow; Homopolymer; Narrow Molecular Weight Distribution                             |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 32            | g/10 min          | ISO 1133-1    |
| Density                                                   | 0.900         | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus                                          | 1150          | N/mm <sup>2</sup> | ISO 178       |
| Tensile Stress at Break, (23 °C, 50 mm/min)               | 20            | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min)               | 33            | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C, 50 mm/min)               | 650           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C, 50 mm/min)               | 11            | %                 | ISO 527-1, -2 |
| <b>Thermal</b>                                            |               |                   |               |
| Vicat Softening Temperature, (A50)                        | 151           | °C                | ISO 306       |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 74            | °C                | ISO 75B-1, -2 |

#### Notes

These are typical property values not to be construed as specification limits.