

## Technical Data Sheet

### Purell HP571R



Polypropylene, Homopolymer

#### Product Description

Purell HP571R is a polypropylene homopolymer used for extrusion applications. It has a very narrow molecular weight distribution and is formulated with an anti-gasfading stabilisation package.

Purell HP571R is used for the production of continuous filaments. Typical applications are high-tenacity yarns (HTY) and spunbond nonwovens.

All potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first. To discuss a medical/pharmaceutical application please contact your local Lyondellbasell reference or your local Distributor.

<b>Application</b>	Absorption & Filtration; Hygiene Nonwoven; Nonwovens; Wipes/Tissues
<b>Market</b>	Textile
<b>Processing Method</b>	Continuous Filament/Spinning; Fibers; Spunbond
<b>Attribute</b>	Controlled Rheology; Extremely 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)	25	g/10 min	ISO 1133-1
Density	0.900	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1200	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