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.

Application	Absorption & Filtration; Hygiene Nonwoven; Nonwovens; Wipes/Tissues
Market	Textile
Processing Method	Continuous Filament/Spinning; Fibers; Spunbond
Attribute	Controlled Rheology; Extremely High Flow; Homopolymer; Narrow Molecular Weight Distribution

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1200	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	20	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)	650	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
Thermal			
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.