Technical Data Sheet

Purell HP476J

Polypropylene, Homopolymer

Product Description

Purell HP476J is a polypropylene homopolymer used for extrusion and thermoforming applications.
Purell HP476J is typically used in pharmaceutical packaging and blisters.
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	Healthcare Applications; Medical Devices; Pharmaceutical Packaging; Secondary Packaging; Thermoforming Applications
Market	Healthcare
Processing Method	Extrusion; Sheet; Thermoforming
Attribute	Autoclavable; Ethylene Oxide Sterilisation; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.4	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	N/mm²	ISO 178
Tensile Modulus	1400	MPa	ISO 527-1, -2
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)	34	N/mm²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	200	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	156	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	91	°C	ISO 75B-1, -2