Technical Data Sheet

Purell SP170G

Polypropylene, Specialty Products

Product Description

*Purell S*P170G is a polypropylene copolymer for use in healthcare applications.

Purell SP170G exhibits good clarity, excellent softness and good processability.

*Purell S*P170G is typically used in extrusion blow molding , BFS (blown fill and seal) and blown film for healthcare applications.

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	Blow-Fill-Seal Applications; Bottles and Vials; Healthcare Applications; Infusion Bags; Medical Film
Market	Healthcare
Processing Method	Blow, Fill, & Seal; Blown Film; Extrusion Blow Molding
Attribute	Autoclavable; Ethylene Oxide Sterilisation; High Transparency; Medium Flow; Medium Impact Resistance; Recyclable Material; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.5	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	600	MPa	ISO 527-1, -2
Tensile Stress at Yield	22	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	15	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	21	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	5	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	32	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	126	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	62	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	22	%	ASTM D1003
Gloss, (60°)	110		ASTM D2457