

Purell RP170G

Polypropylene, Specialty Products

Product Description

Purell RP170G is a soft polyolefinic resin suitable for extrusion blow molding and injection molding applications.

Purell RP170G is typically used at customers for transparent packaging of pharmaceuticals produced in blown-fill-seal (BFS) technology (eg IV bottles, ampoules, vials).

Purell RP170G exhibits an excellent balance of toughness and transparency at a very good softness. It is suitable for steam sterilization in autoclave at 121°C, not affecting its mechanical and optical properties.

For regulatory information please refer to Purell RP170G Product Stewardship Bulletin (PSB). Without exception, the supply in such applications is subject to our preliminary review. Please get in contact with your local sales contact for further details.

Product Characteristics

Status	Development
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Blow, Fill, & Seal, Extrusion Blow Molding
Features	Autoclavable, High Clarity, Good Flexibility, Good Heat Resistance, Good Optical Properties, High Transparency
Typical Customer Applications	Blow-fill-seal applications, Bottles and vials, Healthcare Applications, Medical Devices, Medical Film

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.90	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.6	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	550	MPa
Tensile Stress at Yield	ISO 527-1, -2	20	MPa
Tensile Strain at Break (23 °C)	ISO 527-1, -2	500	%
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	15	%
Impact			
Charpy notched impact strength	ISO 179		
(0 °C)		7	kJ/m ²
(23 °C)		25	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	61	°C
Vicat softening temperature A/50	ISO 306	126	°C
Optical			
Haze (1 mm)	ASTM D 1003	20	%
Note: (plaque not nucleated)			

Notes

Typical properties; not to be construed as specifications.

