Technical Data Sheet

Purell RP378T

Polypropylene, Random Copolymer

Product Description

Purell RP378T is a nucleated polypropylene random copolymer for use in injection molding applications .
Purell RP378T contains an anti-static agent.
Purell RP378T exhibits very good flow properties and good transparency.
Purell RP378T is typically used for injection molding medical and pharmaceutical applications, like medical device components, labware.
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.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Healthcare Applications; Medical Devices
Market	Healthcare
Processing Method	Injection Molding
Attribute	Autoclavable; Contains Antistat; Ethylene Oxide Sterilisation; High Flow; High Transparency; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	48	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.0	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	48	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	74	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003