Technical Data Sheet

Purell HP548N

Polypropylene, Homopolymer

Product Description

Purell HP548N is a nucleated polypropylene homopolymer for use in injection molding applications
Purell HP548N contains anti-static additives.
Purell HP548N exhibits good stiffness and flow properties, and it is typically used in pharma packaging and medical devices components.
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.

This grade is supported for use in drinking water applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Caps & Closures (Healthcare); Healthcare Applications; Medical Devices
Market	Healthcare
Processing Method	Injection Molding
Attribute	Autoclavable; Contains Antistat; Ethylene Oxide Sterilisation; Medium Flow; Medium Stiffness; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1800	MPa	ISO 527-1, -2
Tensile Stress at Yield	36	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	71	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	105	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.