



Purell RP378T

Polypropylene, Random Copolymer

Product Description

Purell RP378T is a polypropylene random copolymer with nucleation and antielectrostatic agent. It exhibits a very good flowability and a good transparency.

Purell RP378T is used for injection moulding medical and pharmaceutical applications only after approval by LyondellBasell.

For regulatory information please refer to *Purell* RP378T Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, High Clarity, Random Copolymer, Ethylene Oxide Sterilisation, High Flow
Typical Customer Applications	Healthcare Applications, Medical Devices

Typical Properties	Method	Value	Unit
Physical			
Density (23°C)	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	48	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	65	cm³/10min
Mechanical			
Tensile Strain at Break	ISO 527-1, -2	>50	MPa
Tensile Strain at Yield	ISO 527-1, -2	11	%
Tensile stress at yield	ISO 527	29	MPa
Tensile modulus	ISO 527	1150	MPa
Impact			
Charpy unnotched impact strength (0 °C)	ISO 179	60	kJ/m²
		180	kJ/m²
Charpy notched impact strength (0 °C)	ISO 179	2.5	kJ/m²
		4.5	kJ/m²
Hardness			
Ball indentation hardness ((H358/30))	ISO 2039-1	58	MPa
Thermal			
Vicat softening temperature A/50	ISO 306	130	°C
Vicat softening temperature B/50	ISO 306	72	°C
Heat deflection temperature B	ISO 75/ASTM D 648	70	°C
Optical			
Haze (1 mm)	ASTM D 1003	7	%
Note: injection moulded disk			

Notes

Typical properties; not to be construed as specifications.