

Purell RP374R
PP RANDOM

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	25	g/10min	ISO 1133

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	950	MPa	ISO 527
Yield stress	26	MPa	ISO 527
Yield strain	16	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Izod), 23 °C	6.5	kJ/m ²	ISO 180/1A
Notched Impact Strength (Izod)	4.3	kJ/m ²	ISO 180/1A
Temperature		°C	-
Shore Hardness D (15s)	64	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	78	°C	ISO 75-1/-2
Vicat softening temperature A	129	°C	ISO 306
Vicat softening temperature, 50 °C/h 50N	72	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	78	°C	ASTM D 648

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m ³	ISO 1183

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	9	%	ASTM D 1003

Characteristics
Processing

Injection Molding

Delivery form

Pellets, White

Special Characteristics

Transparent, Sterilizable, Ethylene Oxide (EtO) Sterilization

Features

Low Odor, Copolymer, Random Copolymer

Certifications

Medical, Biocompatibility ISO 10993, US Pharmacopeia Class VI
Approved, Drug Master File, Food approval, Food approval
1935/2004/EC, Food Contact (FDA)

Applications

Medical