

Purell RP270G

PP RANDOM

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2.4	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt Flow Index, MFI	1.8	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	950	MPa	ISO 527
Yield stress	25	MPa	ISO 527
Yield strain	14	%	ISO 527
Strain at Break	50	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	6	kJ/m ²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	67	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	68	°C	ISO 306

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

Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Special Characteristics

Impact modified

Features

Copolymer, Random Copolymer

Chemical Resistance

General Chemical Resistance

Certifications

Medical, Biocompatibility ISO 10993, US Pharmacopeia Class VI
Approved, Drug Master File

Applications

Medical