

Purell PE GF 4760 (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.4	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1250	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	10	%	ISO 527
Notched Impact Strength (Charpy), -30°C	8	kJ/m²	ISO 179/1eA
Shore Hardness D (15s)	62	-	ISO 868
Ball Indentation Hardness	51	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50°C/h 50N	77	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	956	kg/m³	ISO 1183
Bulk density	500	kg/m³	-

Characteristics

Processing

Injection Molding, Blow Molding

Delivery form

Pellets

Special Characteristics

Sterilizable, Ethylene Oxide (EtO) Sterilization

Chemical Resistance

Environmental Stress Crack Resistance, Oxidation Resistance

Certifications

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

Applications

Medical, Packaging