Technical Data Sheet

Purell PE 3420F

Low Density Polyethylene

Product Description

Purell PE 3420F is the latest generation of low density polyethylene with extremely high rigidity and outstanding temperature resistance. It is delivered in pellet form. The grade is used by our customers for packaging of pharmaceuticals in the small blow moulding market e.g. produced with Blow Fill Seal technology.

Application	Blow-Fill-Seal Applications; Bottles and Vials; Caps & Closures (Healthcare); Healthcare Applications; Medical Devices; Medical Film
Market	Flexible Packaging; Healthcare; Rigid Packaging
Processing Method	Blow, Fill, & Seal; Blown Film; Extrusion Blow Molding; Injection Blow Molding; Injection Molding
Attribute	Ethylene Oxide Sterilisation; Good Chemical Resistance; High Heat Resistance; High Rigidity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	0.9	g/10 min	ISO 1133-1
Density	0.933	g/cm³	ISO 1183-1
Bulk Density	>0.500	g/cm³	ISO 60
Mechanical			
Tensile Modulus	520	MPa	ISO 527-1, -2
Tensile Stress at Yield	15	MPa	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A/50)	111	°C	ISO 306
Peak Melting Point	119	°C	ISO 11357-3