

Technical Data Sheet

Purell 2007H



Low Density Polyethylene

Product Description

Purell 2007H is a low density polyethylene which exhibits good flexibility and contains an antiblocking agent. The grade is used by our customers for injection moulding and film applications in the healthcare market.

Application	Caps & Closures (Healthcare); Healthcare Applications; Medical Devices; Medical Film
Market	Flexible Packaging; Healthcare; Rigid Packaging
Processing Method	Blown Film; Cast Film; Injection Molding
Attribute	Ethylene Oxide Sterilisation; Fast Cycle (Production); Good Flexibility; Low Density; Unspecified Antiblocking

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	1.5	g/10 min	ISO 1133-1
Density	0.920	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	200	MPa	ISO 527-1, -2
Tensile Stress at Yield	9	MPa	ISO 527-1, -2
Hardness			
Shore Hardness, (Shore D)	45		ISO 868
Ball Indentation Hardness, (H 49/30)	15	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A/50)	88	°C	ISO 306
Peak Melting Point	108	°C	ISO 11357-3