Purell 2007H

Low Density Polyethylene

LyondellBasell Industries

Message:

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 molding and film applications in the healthcare market.
Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant LyondellBasell Technical and Business contacts first.

General Information	
Additive	Antiblock
Features	Antiblocking Ethylene Oxide Sterilizable Fast Molding Cycle Good Flexibility Low Density
Uses	Caps Closures Film Medical Devices Medical/Healthcare Applications Pharmaceuticals
Forms	Pellets
Processing Method	Blown Film Cast Film Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	45		ISO 868
Ball Indentation Hardness (H 49/30)	15.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	200	MPa	ISO 527-2
Tensile Stress (Yield)	9.00	MPa	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	88.0	°C	ISO 306/A50

Melting Temperature (DSC)	108	°C	ISO 3146

Injection	Nominal Value	Unit
Processing (Melt) Temp	190 to 230	°C

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