

Purell 2410T

Low Density Polyethylene
LyondellBasell Industries

Message:

Purell 2410T is a low density polyethylene grade with a goor combination of flowability and softness. The grade is used by our customers for all types of injection moulded 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			
Features	Ethylene Oxide Sterilizable		
	Fast Molding Cycle		
	High Flow		
	Low Density		
Uses	Caps		
	Closures		
	Medical Devices		
	Medical/Healthcare Applications		
	Pharmaceuticals		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	36	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F0)	0.500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	49		ISO 868
Ball Indentation Hardness (H 49/30)	18.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	280	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	11.0	MPa	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	89.0	°C	ISO 306/A50
Melting Temperature (DSC)	112	°C	ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	

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