



## Purell PE 3220 D

### Polyethylene, Low Density

#### Product Description

Purell PE 3220 D is a low density polyethylene with high rigidity and good chemical resistance. It is delivered in pellet form. The grade is used by our customers for packaging of pharmaceuticals in the small blow moulding market such as in blow fill seal technology.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Blow, Fill, & Seal, Blown Film, Extrusion Blow Molding, Injection Molding
Features	Good Chemical Resistance, Ethylene Oxide Sterilisation, High Rigidity
Typical Customer Applications	Blow-fill-seal applications, Bottles and vials, Caps & Closures (Healthcare), Healthcare Applications, Medical Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.930	g/cm <sup>3</sup>
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	0.40	g/10 min
Bulk density	ISO 60	>0.500	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	430	MPa
Tensile Stress at Yield	ISO 527-1, -2	13.0	MPa
Tensile Strain at Yield	ISO 527-1, -2	12.2	%
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	54	
<b>Thermal</b>			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	110	°C
Melting Temperature	ISO 3146	117	°C

#### Additional Properties

Recommended processing temperatures: 170°C to 220°C.

#### Notes

Typical properties; not to be construed as specifications.