

Technical Data Sheet

Purell GC 7260 G

High Density Polyethylene



Product Description

Purell GC7260 G is a HDPE material which exhibits good flow ability and high rigidity. It contains an additive package for improved performance at higher extrusion temperatures and faster cycle times.

Exceptional organoleptic properties and a good balance of stiffness, toughness and processability make Purell GC7260 G the choice of customers for the production of closures for still mineral water and many other types of food and non-food caps and closures.

Application	Caps & Closures; Caps & Closures (Healthcare); Collapsible Tubes; Collapsible Tubes (Healthcare); Healthcare Applications; Medical Devices
Market	Consumer Products; Healthcare; Rigid Packaging
Processing Method	Injection Molding
Attribute	Autoclavable; Ethylene Oxide Sterilisation; Good Flow; Good Thermal Stability; High Rigidity; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	8	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	23	g/10 min	ISO 1133-1
Density	0.960	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	2.5	hr	ISO 16770
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	64		ISO 868
Ball Indentation Hardness, (H 132/30)	57	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	72	°C	ISO 306

