

## Technical Data Sheet

### Purell GA7760

High Density Polyethylene



#### Product Description

Purell GA7760 is a high density polyethylene with a good flow and a high density. The grade is used by our customers for all type of injection moulded applications in the healthcare market but also for closure applications.

<b>Application</b>	Caps & Closures; Caps & Closures (Healthcare); Healthcare Applications; Medical Devices; Syringes
<b>Market</b>	Consumer Products; Healthcare; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Ethylene Oxide Sterilisation; Good Flow; High Density; High Rigidity; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate			
(190 °C/2.16 kg)	18	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	52	g/10 min	ISO 1133-1
Density	0.963	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
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)	1	hr	ISO 16770
<b>Hardness</b>			
Shore Hardness, (Shore D)	64		ISO 868
Ball Indentation Hardness, (H 132/30)	57	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (B50)	71	°C	ISO 306

#### Notes

These are typical property values not to be construed as specification limits.

