Purell GA7760

Polyethylene, High Density

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America
Processing Methods	Injection Molding
Features	High Density, Ethylene Oxide Sterilisation, Good Flow, High Rigidity , Low Warpage
Typical Customer Applications	Caps & Closures, Healthcare Applications, Syringes

Typical Properties	Method	Value	Unit
Physical			
Density (23°C)	ISO 1183	0.963	g/cm³
Melt flow rate (MFR)	ISO 1133		
(190°C/2.16kg)		18	g/10 min
(190°C/5.0kg)		52	g/10 min
Spiral flow length (2mm/750bar/250>C)	Basell Method	680	mm
Mechanical			
Tensile Strain at Yield	ISO 527-1, -2	10	%
Tensile stress at yield	ISO 527	30	MPa
Tensile modulus	ISO 527	1350	MPa
ESCR (Basell)	Basell Method	1	h
Note: FNCT: 2.5 MPa, 2% Arcopal, 80°C			
Hardness			
Shore hardness (Shore D)	ISO 868	64	
Ball indentation hardness	ISO 2039-1	57	MPa
Thermal			
Vicat softening temperature B/50	ISO 306	71	°C

Additional Properties

Recommended processing temperatures: 190°C to 230°C.

Notes

Typical properties; not to be construed as specifications.