

Technical Data Sheet

Hostalen QCP 5603 Grey



High Density Polyethylene

Product Description

Hostalen QCP 5603 Grey is a circular high density polyethylene grade supplied in pellet form for blow molding and extrusion applications. This grade is characterized by its easy processability.

Sustainability

Hostalen QCP 5603 Grey contains at least 95% of post-consumer material (EN 15343) from pre-sorted plastic packaging waste. Filtration level is 150 µm. Volatiles according to ASTM D6980 @ 120 °C are < 0.2%. Based on CIELab values, the color indication is close to RAL 7012.

This product is not intended for highly regulated applications including food contact, potable water contact, medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Europe
Application	Bottles For Consumer Goods; Bottles for Industrial Use; General Sheet Extrusion
Market	Consumer Products; Industrial Packaging; Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet and Profile Extrusion
Attribute	Antioxidant; General Purpose; High Rigidity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	0.40	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	1.8	g/10 min	ISO 1133-1
Density	0.956	g/cm ³	ISO 1183-1
Bulk Density	>0.500	g/cm ³	ISO 60
Mechanical			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	8	hr	ISO 16770
Impact			
Charpy Impact Strength - Notched, (-30 °C, Type 1, Notch A)	2.5	kJ/m ²	ISO 179-1/1eA
Additional Information			
Ash	< 2	wt %	ISO 3451-1
600 °C			
Processing Parameters			
Melt Temperature	180 - 210	°C	

Notes

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