

Technical data sheet

Polystone® G (HDPE) Pipe Grade

Product characteristics

- Excellent weldability
- UV stabilized
- Good chemical resistance

Typical field of application

- Flanges & Fittings
- Stub ends
- Manhole bases & covers

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm ³	0.96
Water Absorption	D570	%	≤0.10
Carbon Black Content	ISO6964	%	2 - 2.5%
Mechanical Properties	tested method	unit	value
Hardness	D785	Shore D	66
Tensile Strength at yield 73 °F	D638	psi	3,625
Tensile Modulus	D638	psi	150,000
Elongation at Break	D638	%	≥500
Flexural Strength	D790	psi	120,000
Izod Impact, Notched	D256	ft-lb/in	9.0
Thermal Properties	tested method	unit	value
Melt Flow (5kg/190°C)	ISO1133	g/10min	0.3
Melting Point	D1525	°F	259
Vicat Softening Point	ISO306	°F	262
Deflection Temperature at 1.8Mpa (264psi)	D648	°F	175
Brittleness Temperature	D746	°F	<-180
Thermal Stability (210°F)	ISO10837		≥20
Compliance Properties	tested method	unit	value
FDA	-	-	No
NSF	-	-	No
USDA	-	-	No

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.