



SABIC[®] VESTOLEN A 6060R 65307 BLUE

HIGH DENSITY POLYETHYLENE

DESCRIPTION

SABIC[®] Vestolen A 6060R 65307 (blue) is a grade which has a high density and a bimodal distribution of the molecular mass. Due to its profile of properties this material is typically used for drinking water piping. This material meets (inter)national standards for use in drinking water piping. MRS class ISO 12162 MPa = 10.0 (PE 100).

This product is not intended for and must not be used in any pharmaceutical/medical applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Colour	Blue	-	-
RAL number	5005	-	-
Melt Flow Rate			
at 190 °C and 2.16 kg	0.1	dg/min	ISO 1133
at 190 °C and 5 kg	0.35	dg/min	ISO 1133
Density	950	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile test			
stress at yield	24	MPa	ISO 527-2
strain at yield	9	%	ISO 527-2
tensile modulus	1025	MPa	ISO 527-2
Charpy Impact Strength Notched			
at 23 °C	23	kJ/m ²	ISO 179/1eA
at -30 °C	9.2	kJ/m ²	ISO 179/1eA
Hardness Shore D	59	-	ISO 868
MRS classification	10	MPa	ISO 12162
OIT 210 °C	>20	min	ISO 11357-6
THERMAL PROPERTIES			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	43	°C	ISO 75-2
at 0.45 MPa (HDT/B)	72	°C	ISO 75-2
Vicat Softening Temperature			
at 50 N (VST/B)	71	°C	ISO 306
DSC test			
melting point	124 – 128	°C	DIN 53765