

QUALITY DEPARTMENT

ISO 9001:2015

ISO 14001:2015

BS OHSAS 18001:2007

Q04.05.PPL23 Declaration of Conformity

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BWC d.o.o Beograd
 Beogradska 129,
 Belgrade, Serbia
 T: + 381.11.8408.654
 F: + 381.11.8408.659
 E: office@bwc.rs
 www.bwc-bg.com

ENGINEERING PLASTIC PRODUCTS
 HMWPE SHEETS

Polyplate PE-500

Based on material HMWPE FINATHENE 56020

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/cm ³	952
MELT FLOW RATE (190°C/21,6 kg)	ISO 1133	g/10 min	2,1
MOLECULAR WEIGHT	ISO 1133	g/mol x 10 ⁶ mol	0,5
TENSILE STRENGTH AT YIELD (50 mm/min)	ISO 527-2/1A	MPa	28
ELONGATION AT BREAK	ISO 527	%	700
FLEXURAL MODULUS	ISO 178	GPa	1,30
SHORE D HARDNESS	ISO 868	Shore D	64 - 66
VICAT SOFTENING POINT (1 kg)	ISO 306	°C	131

The information in this data sheet represents typical values and should not be used as a specification.