

QUALITY DEPARTMENT
 ISO 9001:2015
 ISO 14001:2015
 ISO 45001:2018

Declaration of Conformity
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ENGINEERING PLASTIC PRODUCTS
 HDPE SHEETS BLACK

Polyplate PE-100

Based on material HDPE BORSTAR HE3490-LS

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183/ISO 1872-2B	kg/cm ³	959
MELT FLOW RATE (190°C/2,16 kg)	ISO 1133	g/10 min	-
MELT FLOW RATE (190°C/5,0 kg)	ISO 1133	g/10 min	0,25
TENSILE STRENGTH AT YIELD (50 mm/min)	ISO 527-2	MPa	25
TENSILE MODULUS (1 mm/min)	ISO 527-2	MPa	1100
ELONGATION AT BREAK	ISO 527-2	%	> 600
CARBON BLACK CONTENT	ASTM D 1603	%	≥ 2,0
THERMAL STABILITY (200°C)	EN 728	min	> 20
Resistance to slow crack growth (8,0 bar, 80°C)	ISO 13479	h	> 1000
Resistance to rapid crack propagation (Pc at 0°C, S4 test / pipe size 250mm SDR11)	ISO 13477	bar	> 10

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