

QUALITY DEPARTMENT

ISO 9001:2015

ISO 14001:2015

BS OHSAS 18001:2007

Q04.05.PPL23 Declaration of Conformity

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ENGINEERING PLASTIC PRODUCTS
 UHMWPE SHEETS

Polyplate PE-1000

Based on material STAMYLAN UH 610

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/cm ³	930
MELT FLOW RATE (190°C/21,6 kg)	ISO 1133	g/10 min	-
AVERAGE MOLECULAR WEIGHT	-	g/mol	8,70E6
YIELD STRESS	ISO 527-1/-2	MPa	19
TENESILE MODULUS	ISO 527-1/-2	MPa	650
NOMINAL STRAIN AT BREAK	ISO 527-1/-2	%	>50
CHARPY DOUBLE-NOTCHED IMPACT STRENGTH(23°C)	ISO 11542-2/B	KJ/m ²	110
SHORE D HARDNESS	ISO 868	Shore D	64 - 66
MELTING TEMPERATURE (10°C/min)	ISO 11357-1/-3	°C	133
ABRASION RESISTANCE	DIN 16972	%	80

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