

**QUALITY DEPARTMENT**

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

Technical data sheet

Date of issue: March 2024

Valid until: February 2027

**ENGINEERING PLASTIC PRODUCTS**

HDPE sheets

**Polyplate PE-300**

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/m <sup>3</sup>	947
TENSILE STRENGTH AT YIELD	ISO 527	MPa	21
TENSILE STRENGTH AT BREAK	ISO 527	MPa	32
ELONGATION AT BREAK	ISO 527	%	900
IZOD IMPACT STRENGTH	ISO 180	J/m	no break
SHORE D HARDNESS	ISO 868	Shore D	64
VICAT SOFTENING POINT (1 kg)	ISO 306	°C	124
ESC RESISTANCE	ASTM D 1693	MPa	> 1000
FLEXURAL MODULUS	ISO 178	MPa	1100
DART DROP F50 *	ASTM D 1709 (film)	g	80
TEAR STRENGTH (ELMENDORF) **	ASTM D 192 (film)	g/mil	MD: 70 TD: 700

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