

HI-VIZ Material Specifications (HMW-PE)

Properties	Unit	Test method	Test Result
Density	g/cm ³	ASTM D1505	0.93-0.955
Melting Point	°C	ASTM D-3418	133-135
Tensile Strength at Break	MPa	ISO 527:2012	14-16
Tensile Strength at Yield	MPa	ISO 527:2012	23-26
Elasticity Modulus	MPa	ISO 527:2012	1100-1210
Elongation at Break	%	ISO 527:2012	80-100
Charpy Impact Strength-Notched	KJ/m ²	ISO179-1:2011	33-37
Hardness	Shore D	ISO868:2003	67-69
Wear Resistance Sand-Slurry-Test	%	ISO15527	372
Average Coefficient of Linear Thermal Expansion	m/(m/k)		2x10 ⁻⁴
Service Temperature	°C	-	-100 to +80

Note: 1g/cm³ = 1,000 kg/ m³; 1Mpa = 1N/mm²; 1kV/mm = 1MV/m

The data mentioned in this brochure are average values ascertained by current statistical returns and tests, but we cannot accept any responsibility for their accuracy.



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