

Technical Data Sheet

Polystone® RGM black

PE-HD / PE 500

Typical characteristics

- Buenas propiedades mecánicas

Typical industries

- Construcción de máquinas e instalaciones

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,95
Water absorption	DIN EN ISO 62	%	0,01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Melt Flow Rate (MFR 190/5)	DIN EN ISO 1133	g / 10 min	Kein fließen
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	24
Elongation at break	DIN EN ISO 527	%	>250
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1100
Notched impact strength	DIN EN ISO 11542-2	kJ / m ²	40
Shore hardness	DIN EN ISO 868	scale D	63
Thermal properties			
Melting temperature	ISO 11357-3	°C	130 ... 135
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	150 ... 230
Service temperature, long term	Average	°C	-100 ... 80
Service temperature, short term (max.)	Average	°C	80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	79

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 01/05/2026 • Release: 28/11/2023 • Version: 2.0

PIM-ID: 710123 • PIM-Code: 1093-19-17-5-5

Company-IDs: 20000-1

Page 1 / 1 (Dates in DD/MM/YYYY)

