

Technical Data Sheet



Play-Tec® UV-stabilized PCR black

PE-HD / PE 300

Typical characteristics

- Physiologically safe
- UV-stabilized
- Colourfast
- Good machinability
- UV-resistant

Typical industries

- 运动与休闲
- 游乐场
- 船舶制造
- 作业船和娱乐船

Sustainability

- Core made of Post-Consumer-Recycling material
- The use of recycled materials conserves valuable resources

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	>0,96
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	>18
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>900
Notched impact strength	DIN EN ISO 11542	kJ / m ²	>4
Shore hardness	DIN EN ISO 868	scale D	>60
Thermal properties			
Melting temperature	ISO 11357-3	°C	130 ... 135
Thermal conductivity	DIN 52612-1	W / (m * K)	0,40
Thermal capacity	DIN 52612	kJ / (kg * K)	1,90
Service temperature, long term	Average	°C	-30 ... 80

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: 24/08/2025 • Release: 20/09/2023 • Version: 2.0
 PIM-Version: 840 • PIM-ID: 746661 • PIM-Code: 840-100-11.9.3.70.15-3.8.5.11-5.4-5
 Company-IDs: 20000-1

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

