

Technical Data Sheet

Polystone[®] D Black - ASTM

PE-HD / PE 500

Typical characteristics

- Good mechanical properties
- Good wear resistance
- Good cutting resistance
- High scratch resistance
- Good sliding properties

Typical industries

- Mechanical Engineering Industry
- Food Industry

	Test method	Unit	Guideline value
General properties			
Density	ASTM D792	g / cm ³	0.94
Carbon Black Content	ISO6964	%	n/a
Mechanical properties			
Hardness	ASTM D2240	Shore D	63-69
Flexural Modulus	ASTM D790	psi	150000
Izod Impact Strength	ASTM D4020	kJ / m ²	9
Thermal properties			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	1.9
Melting Point		°F	275-280
Maximum Service Temperature, Air		°F	180

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

