

## Technical Data Sheet

# Polystone<sup>®</sup> D Natural - 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
- Bakery and Confectionery

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.94
Carbon Black Content	ISO6964	%	n/a
<b>Mechanical properties</b>			
Hardness	ASTM D2240	Shore D	63-69
Flexural Modulus	ASTM D790	psi	150000
Izod Impact Strength	D4020		9
<b>Thermal properties</b>			
Melting Point		°F	275-280
Maximum Service Temperature, Air		°F	180
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-4</sup>	1.9

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