



## PE Ultra HD Ast 2000x1000x10 mm black

Article No.	P1400174
Category	PE

### Technical Properties

#### Density & Weight

Property	Value	Unit	Test standard
Density	3	g/cm <sup>3</sup>	DIN EN ISO 1183-1

#### Moisture Absorption

Property	Value	Unit	Test standard
Water absorption to saturation	0.01	%	
Water Absorption to Saturation	0.01	%	

#### Tensile Properties

Property	Value	Unit	Test standard
Tensile Strength	20	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	650	MPa	DIN EN ISO 527
Break Elongation	50	%	DIN EN ISO 527

#### Impact Resistance

Property	Value	Unit	Test standard
Notched impact strength (Charpy)	2	kJ/m <sup>2</sup>	DIN EN ISO 179
Impact Resistance (Charpy)	2	kJ/m <sup>2</sup>	DIN EN ISO 179

#### Hardness

Property	Value	Unit	Test standard
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Property	Value	Unit	Test standard
Hardness Shore D	60	° Shore D	DIN EN ISO 868
Ball pressure hardness	34	MPa	ISO 2039-1

### Temperature Limits

Property	Value	Unit	Test standard
Melting point	133	°C	ISO 11357-3
Maximal operating temperature (short-term)	130	°C	
Maximum Operating Temperature	80	°C	
Minimum temperature	-200	°C	

### Thermal Conductivity

Property	Value	Unit	Test standard
Thermal Conductivity	0.4	W/(m·K)	DIN 52612

### Thermal Expansion

Property	Value	Unit	Test standard
Thermal Expansion Coefficient	1.75	10 <sup>-4</sup> /K	DIN 53 752

### Insulation Properties

Property	Value	Unit	Test standard
Volume Resistivity	10 <sup>9</sup>	Ω	DIN EN 62631-3-1

### Static spread

Property	Value	Unit	Test standard
Surface Resistivity	10 <sup>9</sup>	Ω	DIN EN 62631-3-2

### Fire Classification

Property	Value	Unit	Test standard
Flammability Classification (UL 94)	3		UL 94