



High Density Polyethylene (HDPE)
BURPOLEN PE 1001 BLACK

Product Description

BURPOLEN PE 1001 BLACK is unfilled high density polyethylene.

Properties	Unit	Test Method	Value
Physical properties			
Density, (23 °C)	g/cm ³	ISO 1183	0.94 - 0.97
Melt Flow Rate, (190 °C/21.6 kg)	g/10 min	ISO 1133	10 - 15
Ash Content	%	ISO 3451	0 - 3

Mechanical properties

Tensile Stress at Yield,(50mm/min) (23°C)	MPa	ISO 527	20 - 30
Tensile Strain at Break,(50mm/min) (23°C)	%	ISO 527	≥ 500
Flexural modulus (2mm/min) (23°C)	MPa	ISO 178	1000 - 1500
Flexural stress (2mm/min) (23°C)	MPa	ISO 178	≥ 28

Notes

The properties are typical, non-binding mean values found for injection moulded natural test bars. Pigments and other modifications may alter these values.

Processing Techniques

BURPOLEN PE 1001 BLACK is easy to process with standard injection moulding machines.

Drying	°C	2hr- 4hr	80 – 90 °C
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Storage

The BURPOLEN® PE 1001 BLACK in pellet form is packed in bigbag (1000 Kg).