

Product Data Sheet

BL3

High Density Polyethylene, Blow molding

Applications:

- Small blow moulding,
- Bottles
- Containers (up to 5 lit)
- Packaging of pharmaceuticals & surfactants

Resin Properties	Unit	Value	Test Method
Mass density (23°C)	g/cm ³	0.945	ISO 1183
Melt Flow Rate (190°C/ 5.06kg)	(g/10 min)	1.2	ISO 1133
Melt Flow Rate (190°C/ 21.16kg)	(g/10 min)	23	ISO 1133
FRR	-	19	
Impact Strength (23°C)	Mj/mm ²	10	ISO 179/1eA
Swell ratio	%	120	MPC-test
Flexural Creep Modulus (4 Point, 1 min)	Mpa	1300	DIN 19537-2
Tensile Modulus (23°C, v=1mm/min, secant)	Mpa	1250	ISO 527
Strength at Break	Mpa	32	ISO 527
Elongation at Break	%	>600	ISO 527
Elongation at Yield	%	10	ISO 527
Softening Temperature	C	77	ISO 306
BrittleTemperature	C	<-80	ASTM D746-72
Shore D hardness		62	ISO 868
ESCR in full notch creep test (80°C, 2%Arcopal)	h@3.5 MPa	5	ISO CD 16770