

PRODUCT DATA SHEET

Product Category	Product Name	Grade
Polymers	POLYETHYLENE – HDPE	BL3

Property	Test Method	Unit	Value
Mass density (230C)	ISO 1183	g/cm3	0.954
Melt Flow Rate (1900C/5.0kg)	ISO 1133	g/10min	1.2
Melt Flow Rate (1900C/21.6 kg)	ISO 1133	g/10min	23
Stress at Yield	ISO 527	MPa	26
Flexural Creep Modulus (4point,1min)	DIN 19537-2	MPa	1300
Tensile Modulus (230C, $\nu = 1\text{mm} / \text{min}$, Secant)	ISO 527	MPa	1250
Stress at Break	ISO 527	MPa	32
Elongation at Break	ISO 527	%	>600
Elongation at yield	ISO 527	%	10
Softening Temperature	ISO 306	0C	77
Brittle Temperature	ASTM D746-72	0C	< - 80
Shore D hardness	ISO 868	-	62
ESCR in Full Notch Creep Test (800C, 2% Arcopal h@3.5 MPa	ISO CD 16770		
Impact strength (230C)	ISO 179/1eA	Kj/m2	10
Swell ratio	Internal	%	120

Application	Small blow moulding-Bottles-Containers (up to 5 lit)-Packing of pharmaceuticals & surfactants.
Packaging	25 Kg plastic bag