



**EURASIA PETROL**  
Trading of Petroleum Products

## PRODUCT DATA SHEET

Product Category	Product Name	Grade
Polymers	POLYETHYLENE – HDPE	BL3

Property	Test Method	Unit	Value
Mass density (230C)	ISO 1183	g/cm <sup>3</sup>	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, v = 1mm / 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/m <sup>2</sup>	10
Swell ratio	Internal	%	120

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



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