



PRODUCT DATA SHEET

Product Category	Product Name	Grade
Polymers	POLYETHYLENE – HDPE	EX3

Property	Unit	Typical Value	Test Method
Mass density (230 C)	g/cm3	0.956	ISO 1183
Melt Flow Rate (1900C/5.0kg)	g/10min	3.3	ISO 1183
Melt Flow Rate (1900C/21.6kg)	g/10min	33	ISO 1183
Stress at Yield	MPa	27	ISO 527
Flexural Creep Modulus (4point, 1min)	MPa	1350	DIN 19537-2
Tensile Modulus (230 C, $\nu = 1\text{mm} / \text{min}$, Secant)	MPa	1200	ISO 527
Stress at Break	MPa	31	ISO 527
Elongation at Break	%	>1000	ISO 527
Elongation at yield	%	10	ISO 527
Softening Temperature	0C	8	ISO 306
Brittle Temperature	0C	< - 80	ASTM D746-72
Shore D hardness	-	62	ISO 868
ESCR in Full Notch Creep Test (800C, 2% Arcopal)	h@2.5 MPa	2	ISO CD 16770
Impact strength (230C)	Kj/m2	23	ISO 179/1eA

Application	Monofilaments, Ropes, Yarns- fish netting geotextiles & cavil engineering
Packaging	25 Kg plastic bag