POLYMY
MEETING EXCELLENCE

TECHNICAL DATASHEET

HDPE EX3

Analysis:

Typical Properties	Method	Value	Unit
Mass density (230°C)	ISO 1183	0.948	g/cm³
Melt Flow Rate (190°C/5.0kg)	ISO 1133	0.22	g/10min
Melt Flow Rate (190°C/21.6 kg)	ISO 1133	6.2	g/10min
Stress at Yield	ISO 527	23	MPa
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	1050	MPa
Tensile Modulus (230°C, v = 1mm / min)	ISO 527	850	MPa
Stress at Break	ISO 527	36	MPa
Elongation at Break	ISO 527	>1000	%
Elongation at yield	ISO 527	10	%
Softening Temperature	ISO 306	74	°C
Brittle Temperature	ASTM D746-72	< - 80	°C
Shore D hardness	ISO 868	62	
ESCR in Full Notch Creep Test (800°C, 2% Arcopal)	ISO CD 16770	400	h@4.0 MPa
Impact strength (230°C)	ISO 179/1eA	25	Kj/m2
S4 Test (RCP)	ISO DIS 13477	Pc > 20	Bar
Notch Test (SCG)	ISO DIS 13479	>1000	h@4.6 MPa
Hydrostatic strength test (800°C)	ISO 1167	>15000	h@4.6 MPa