



**NAME: HD -EX 3 - 100S License Grade Code HM CRP 100 N**

**Product Description:**

“EX3-100S” is a high density polyethylene with 1-Butene as co monomer. It is Natural, outstanding ESCR, high impact strength, outstanding hydrostatic strength for PE 100 class.

**Applications:**

Pipe extrusion PE 100 class

Industrial and pressure pipe, Gas pipe, drinking water pipe, relining, fittings

**Typical data: (Table)**


PROPERTY	METHOD	UNIT	VALUE
Mass density (23°C)	ISO 1183	g/cm <sup>3</sup>	0.948
Melt Flow Rate (190°C/5.0kg)	ISO 1133	g/10min	0.22
Melt Flow Rate (190°C/21.6 kg)	ISO 1133	g/10min	06.2
Stress at Yield	ISO 527	MPa	23
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	MPa	1050
Tensile Modulus (23°C, v = 1mm / min Secant)	ISO 527	MPa	850
Stress at Break	ISO 527	MPa	36
Elongation at Break	ISO 527	%	>1000
Elongation at yield	ISO 527	%	10
Softening Temperature	ISO 306	°C	74
Brittle Temperature	ASTM D746-72	°C	< - 80
Shore D hardness	ISO 868		62
ESCR in Full Notch Creep Test (80°C, 2% Arcopal )	ISO CD 16770	h@4.0 MPa	400
Impact strength (23°C)	ISO 179/1eA	Kj/m <sup>2</sup>	25
Expected Properties on Application			
S4 Test (RCP)	ISO DIS 13477	Bar	Pc > 20
Notch Test (SCG)	ISO DIS 13479	h@4.6 MPa	>1000
Hydrostatic strength test (80°C)	ISO 1167	h@4.6 MPa	>15000

\* Typical Values: not to be construed as specifications


Processing condition: Recommended melt temperature: 190 - 220 °C

**Packing:** 25 Kg plastic bag.

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