

## HD-EX 3 100S

## License Grade Code HMCRP 100 N



### High Density Polyethylene (HDPE)

#### 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

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MASS DENSITY (230C)	g/cm3	0.948	ISO 1183
MELT FLOW RATE (1900C/5.0KG)	g/10min	0.22	ISO 1133
MELT FLOW RATE (1900C/21.6 KG)	g/10min	6.2	ISO 1133
STRESS AT YIELD	MPa	23	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1050	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM / MIN, SECANT)	MPa	850	ISO 527
STRESS AT BREAK	MPa	36	ISO 527
ELONGATION AT BREAK	%	>1000	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	0C	74	ISO 306
BRITTLE TEMPERATURE	0C	< - 80	ASTM D746-
SHORE D HARDNESS		62	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2% ARCOPAL )	h@4.0	400	ISO CD 16770
IMPACT STRENGTH (230C)	Kj/m2	25	ISO 179/1eA
<b>EXPECTED PROPERTIES ON APPLICATION</b>			
S4 TEST (RCP)	Bar	Pc > 20	ISO DIS
NOTCH TEST (SCG)	h@4.6	>1000	ISO DIS
HYDROSTATIC STRENGTH TEST (800C)	h@4.6	>15000	ISO 1167

#### Processing condition

Recommended melt temperature: 190 - 220° C

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.