HDPE PIPE

EX 3- PE80 (M.P.C)

Product Description:
"EX3-80" is a high density polyethylene with 1-Butene as co monomer. It is natural, good ESCR, good impact 2rength, tough and rigid pipe resin.

Characteristic Properties:
- Tough and rigid pipe resin.

Applications:
- Pipe extrusion PE class
- Indu2rial and pressure pipe, Gas pipe, drinking water pipe
- Pressure less pipe, relining, fittings

Typical data - PE80 (M.P.C)

RESIN PROPERTIES	TEST METHOD	UNIT	VALUE
Mass density (23 C)	ISO 1183	g/cm3	0.945
Melt Flow Rate (190 C/5.0kg)	ISO 1133	g/10min	0.45
Melt Flow Rate (190 C/21.16 kg)	ISO 1133	g/10min	12
FRR(21.6/5)		-	27
Stress at Yield	ISO 527	Mpa	22
Flextural Creep Modulus (4point,1min)	DIN 19537-2	Mpa	950
Tensile Modulus (23 C,v=1mm/min,secant)	ISO 527	Mpa	850
Stress at Break	ISO 527	Mpa	35
Elongation at Break	ISO 527	%	>850
Elongation at Yield	ISO 527	%	8
Softening Temperature	ISO 306	C	67
Brittle Temperature	ASTM D746-72	C	<-80
shore D hardness	ISO 868		60
ESCR in full notch creep te2 (80 C,2%Arcopal)	ISO CD 16770 h@4.0 Mpa		50
Impact 2rength (23 C)	ISO 179/1eA	Kj/m2	23
S4 Te2 (RCP)	ISO DIS 13477	bar	PC >3
Notch Te2 (SCG)	ISO DIS 13479	Mpa h@4.0	>250
Hydro2atic 2rength te2 (80 C)	ISO 1167	Mpa h@4.6	>1000
VN	-	Cm3/g	300