Applications:

- Pipe extrusion PE 100 class
- Industrial and pressure pipe , Gas pipe, drinking water pipe relining , fittings

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mass density (23°C)	ISO 1183	g/cm³	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	6.2
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/m²	25
S4 Test (RCP)	ISO DIS 13477	Bar	P_c > 20
Notch Test (SCG)	ISO DIS 13479	MPa h@4.6	>1000
Hydrostatic strength test (80°c)	ISO 1167	MPa h@4.6	>15000
FRR 21.6/5	-	-	-
VN	-	Cm3/g	-
FNCT(950C,4.0MPa)	-	h	-