



OILENCE
Oil & Gas Supply

Product: EX3

High density polyethylene

“Ex3 (HM 5010 T2N)” is a natural colored high density polyethylene with Butene-1 as comonomer

The product is classified as PE 80 and good stress crack resistance properties (ESCR) combined with good impact strength. Stabilization: Ca- Stearate, Zn- Stearate, Irganox 1010, Irgafos 168.

Property	Value	Units	Test Method
Melt Flow Rate (MFR) (190° C/5kg)(190° C21.6kg)	0.45/12	g/10min	ISO 1133
Density	0.945	g/cm ³	ISO 1183
MRS Classification	8	MPa	ISO/TR 9080
Hydrostatic Strength (80° C)	1000	Hr	ISO 1167/DIN 8075
Tensile Modulus (23° C,v=1mm/min, Secant)	850	Mpa	ISO 527-1,2
Tensile Stress at yield (23° C,v=50mm/min)	22	Mpa	ISO 527-1,2
Tensile Strain at yield(23° C,v=50mm/min)	8	%	ISO 527-1,2
Charpy Notch Impact Strength (23° C)	12	Kj/m ²	ISO 179
Hardness Shore D (3 Sec)	60	--	ISO 868
Vicat Softening Temperature	67	°C	ISO 306
Melting Point	136	°C	ISO 3146

Applications:


Pipe Extrusion PE80 Class Discharge pipes, for injection moulded and other fittings, Sheets

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