

Technical Datasheet EX3

1) Product Description:

“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, Irganox1010, Irgafos168.

2) Applications:

- Pipe Extrusion PE80 Class
- Pressure pipe, Drinking water and gas pipes, Sewer pipes, and their fittings
- Discharge pipes, For injection moulded and other fittings, Sheets

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate(MFR) (190°C/5kg) (190°C/21.6kg)	ISO 1133	g/10min	0.45 12
Density	ISO 1183	g/cm ³	0.945
MRS Classification	ISO/TR 9080	MPa	8
Hydrostatic Strength (80°C)	ISO 1167 /DIN 8075	hr	1000
Tensile Modulus (23°C, v= 1mm/min, Secant)	ISO 527-1,2	MPa	850
Tensile Stress at yield (23°C,v=50mm/min)	ISO 527-1,2	MPa	22
Tensile Strain at yield (23°C,v=50mm/min)	ISO 527-1,2	%	8
Charpy Notch Impact Strength (23°C)	ISO 179	Kj/m ²	12
Hardness Shore D (3 Sec)	ISO 868	--	60
Vicat Softening Temperature	ISO 306	°C	67
Melting Point	ISO 3146	°C	136

* Typical values not to be construed as specifications.