

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, Irganox1010, Irgafos168.

Applications:

Pipe Extrusion PESO Class * Discharge pipes, For injection moulded and other fittings, Sheets

No.	Property	Value	Test Method/Standard
1	Melt Flow Rate (MFR, 150°C/5kg & 190°C/21.6kg)	0.45 / 12 g/10min	ISO 1133
2	Density	0.945 g/cm ³	ISO 1183
3	MRS Classification	8 MPa	ISO/TR 9080
4	Hydrostatic Strength (80°C)	1000 h	ISO 1167 / DIN 8075
5	Tensile Modulus (23°C, $\nu = 1$ mm/min, Secant)	850 MPa	ISO 527-1,2
6	Tensile Stress at Yield (23°C, $\nu = 50$ mm/min)	22 MPa	ISO 527-1,2
7	Tensile Strain ($\nu = 50$ mm/min)	8 %	ISO 527-1,2
8	Charpy Notch Impact Strength (23°C)	12 kJ/m ²	ISO 179
9	Hardness Shore D (3 Sec)	60	ISO 868
10	Vicat Softening Temperature	67°C	ISO 306
11	Melting Point	136°C	ISO 3146



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