JAM Petrochemical Company
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Product data sheet

HDPE made via Hostalen Process

HM-5010T2N (EX3)

HM-5010T2N (EX3) is a pipe grade resin which is manufactured by the suspension polymerization of ethylene monomer. HM-5010T2N (EX3) is a bi-model high density polyethylene with 1-Butene as co monomer.

HDPE: HM-5010T2N (EX_3) | **Density: 0.943-0.947 g/cm3** | **MFR 190/5: 0.39-0.51**

Characteristic Properties

- *Tough and rigid pipe resin.*

Main Applications

- *Pressure pipes, e.g. drinking-water and gas pipes, waste pipes and sewer pipes, their fittings and also sheets (UV stabilization and pigments during processing)*

Additives

- *Antioxidant/Process stabilizer*
- *Lubricant (processing aid)/ acid scavenger*

Material properties *(This data are typical values and are not to be construed as product specifications.)*

Resin Properties	Unit	Typical Value	Test Method
Melt Index (21.6)	(g/10 min)	12	ISO 1133
Melt Index (5)	(g/10 min)	0.45	ISO 1133
FRR (21.6/5)		27	
Density	g/cm³	0.945	ISO 1183
Moulded Properties	**Unit**	**Typical Value**	**Test Method**
Notched Impact @ 23 °C	mJ/mm²	12	ISO 179/ 1 eA
Mechanical Properties	**Unit**	**Typical Value**	**Test Method**
Hydrostatic Strenght (80 ºC)	h	(4.0 N/mm²) 1000	ISO 1167