

HM-5010T2N (EX3)

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

Resin Properties	Unit	Typical Value	Test Method
Melt Index (2.16)	g/10 min	12	ISO 1133
Melt Index (5)	g/10 min	0.45	ISO 1133
FRR (21.6/5)	-	27	-
Density	g/cm ³	0.945	ISO 1183

Molded Properties	Unit	Typical Value	Test Method
Notched Impact @ 23°C	mJ/mm ²	12	ISO 179/ 1 eA

Mechanical Properties	Unit	Typical Value	Test Method
Hydrostatic Strength(80°C)	h	(4.0 N/mm ²)1000	ISO 1167

Characteristic Properties

- Tough and rigid pipe resin

Density: 0.943-0.947 g/cm³

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)

MFR: 190/5: 0.39-0.51

Additives

- Antioxidant/Process stabilizer
- Lubricant (processing aid) /acid scavengerr

