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JAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HM5010T2N (EX3)

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

Producer	Characteristic Properties	Applications	Additive
JAM, ARAK, AMIRKABIR, MARUN	Tough and rigid pipe resin	Pressure pipes, e.g. drinking-water and gas pipes, waste pipes and sewer pipes, their fittings and also sheets	Antioxidant/Process stabilizer Lubricant /acid scavengerr
Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Melt Index (2.16)	g/10min	12	ISO 1133
Melt Index (5)	g/10min	0.45	ISO 1133
FRR (21.6/5)	-	27	-
Density	g/cm ³	0.945	ISO 1183
Notched Impact @ 23 °C	mj/mm ²	12	ISO179/1eA
Hydrostatic Strength (80 °C)	Hours	(4.0 N/mm ²) 1000	ISO 1167