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JAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HMCRP100N (PE100)

HMCRP100N (PE100) is a natural pipe grade resin made from high-density polyethylene (HDPE) through suspension polymerization of ethylene monomer. It incorporates 1-Butene as a co-monomer, making it a bi-modal HDPE.

Producer	Characteristic Properties	Applications	Additive
JAM	Natural PE100 pipe resin.	Pipes for gas and water transportaion at higher pressures or with thinner walls as PE80	Antioxidant/Process stabilizer - Lubricant

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Density	g/ml3	0.948	ISO1183
FRR 21.6/5		28	
Hydrostatic Strength (80°C)	h	5000 (4.5N/mm2)	ISO1167
MFR190°/21.6	g/10 min	6.2	ISO1133
MFR190°/5	g/10 min	0.22	ISO1133
Notched Impact (23°C)	mj/mm ²	24	ISO179/1eA