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GPI-GRANO

GRANO PIPE INDUSTRIES

Manufactures of P.V.C. Pipes

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HIGH DENSITY POLYETHYLENE BLUE COMPOUND (FOR PIPES)

GPI introduces an easy to process HDPE Compound for Pipe manufacturing. This is a bimodal HDPE based Black Stabilized Compound. This compound is made from specially selected bimodal HDPE resin, carbon black & antioxidant, a balance of toughness, high moisture barrier, high abrasion resistance, excellent weathering resistance, excellent chemical resistance, low friction for easy pulling during installation than conventional compounds for Pipes. This compound meets the stringent quality requirements for Pipes. It has a maximum operating temperature of 85°C and minimum operating temperature -76°C.

TYPICAL PROPERTIES:

HD POLYETHYLENE REPROCESSED TECHNICAL DATA

Property	Test Method (ASTM / ISO)	Unit	Typical Value
Density	ASTM D1505 / ISO 1183	g/cm³	0.950 – 0.962
Melt Flow Index (190°C / 5 kg)	ASTM D1238 / ISO 1133	g/10 min	0.3
Tensile Strength at Yield	ASTM D638 / ISO 527	MPa	21 - 24
Elongation at Break	ASTM D638 / ISO 527	%	>400
Hardness	ASTM D2240	Shore D	62
Ash Content	EPTM/10	%	< 2
Moisture Content	Internal Method	%	< 0.2
Colour	Visual	-	Black/Natural/Blue

Moisture Content	Internal Method	%	<0.2

PACKING:
GPI HDPE Granules is available in 25 kg net moisture proof poly bags.

SHELF LIFE:
This raw material must be stored in shaded area in its original packing at ambient temperature (not exceeding 50°C) to avoid exposure to sunlight and moisture. Long storing may affect the property of the compound and for this reason should be used within 12 months from the production date. It is better to dry the material before use.

We offer our Technical Services for further information and suggestion in using the product and also for any need during the course of the product use.