

Technical Data Sheet



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

PE50CN-HD10-4243

High Density Polyethylene Filled with Calcium Carbonate

Nirumand Polymer

Product Description

PE50CN-HD10-4243 is high density polyethylene filled with 50% calcium carbonate. This grade features excellent filler dispersion in polymer resin, good tensile strength and rigidity of produced film. This compound is used in film blowing, T-die casting film production and blow molding process. Moreover, it results in improving productivity and decreasing product costs.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Film blowing, blow molding
Color	•White

Properties	Value	Unit	Test
Density	1.2-1.5	gr/cm ³	ISO 1183
Dispersion	Excellent	...	Internal Method
Moisture	≤ 0.2	%	ASTM D570

Special Characteristics

Appropriate miscibility with base resin

The excellent dispersion of filler in the matrix

Improve printability

Increase of productivity

Decrease finished product cost

Increase rigidity of produced film

White pigment saving

❖ Values shown are average & are not to be considered as product specifications.

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