

## Technical Data Sheet



**Nirumand Polymer Co.**  
Filled & Reinforced Engineering Plastics

# NIRUCALCIT-PE-FLEX

**Polyethylene Filled with Calcium Carbonate**

## Nirumand Polymer

### Product Description

NIRUCALCIT-PE-FLEX is polyethylene filled with calcium carbonate. This grade features excellent filler dispersion in polymer resin, super flexibility, high tensile and elongation 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 Method
Density	1.9	gr/cm <sup>3</sup>	ISO 1183
Dispersion	Excellent	...	Internal Method
Tensile Strength@yield	14 ≤	Mpa	ISO 527
Elongation @ Break	11 ≤	%	ISO 527
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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