

Technical Data Sheet



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

NIRUCALCIT-FLEX

Polyethylene Filled with Calcium Carbonate

Nirumand Polymer

Product Description

NIRUCALCIT-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 | 1.98 | gr/cm ³ | ISO 1183 |
| Filler Content | 80 | .. | ISO 3451/1 |
| Dispersion | Excellent | .. | Internal |
| Moisture | ≤ 0.25 | % | 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

Provide a balance of tensile strength and flexibility of film

White pigment saving

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

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