

Technical Data Sheet



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

NIRUCALCIT-LLD10

Linear Low Density Polyethylene Filled with Calcium Carbonate

Nirumand Polymer

Product Description

NIRUCALCIT-LLD10 is linear low density polyethylene filled with calcium carbonate. This grade features excellent filler dispersion in polymer resin, a balance of good tensile strength and flexibility of produced film and higher filler loading in base resin. This compound is used in film blowing process. Moreover, it results in improving productivity and decreasing product costs.

General Properties

Material Status •Commercial: Active

Forms •Pellets

Processing Method •Film blowing

Color •White

| Properties | Value | Unit | Test Method |
|----------------|-----------|--------------------|-------------|
| Density | 2 | gr/cm ³ | ISO 1183 |
| Filler Content | 82 | % | 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

Provide a balance of tensile strength and flexibility of film

Increase of productivity

Decrease finished product cost

Increase filler loading in base resin

White pigment saving

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

Web-site: www.npolymer.com
Address: Abbas abad Industrial Zone-Tehran-Iran

E-mail: Sales@npolymer.com, Trade@npolymer.com
Tel & Fax: (+9821)35000234