

## PRC 002

### Product description

PRC 002 is a calcium carbonate filling material containing  $80 \pm 2\%$  very fine particle size and excellent whiteness calcium carbonate powder and 20% polymer.

### Physical Form

White color pellets

PRC 002 is delivered free granulated pellets and will not produce dust or fines during handling or storage.

### Product Features:

As PRC 002 is produced with ultra-fine coated calcium carbonate it provides better mechanical properties to the film, it has good ink adhesion, low COF, and stronger heat seal strength

PRC 002 leads to increase the productivity and improve the polymer processing, since the additional of calcium carbonate result in increased volumetric output and adding of plasticizer with lubricants will lead to improve the extrusion and injection process.

PRC 002 allows faster melting during extrusion and quicker cooling of the extruded or molded product

### Applications:

PRC 002 is LLDPE base polymer and the Maximum particle size of the Calcium Carbonate is  $6 \mu\text{m}$  which is especially for blown film, injection molding, blow molding for both PE and PP as well (mostly used by raffia producers).

### Technical Data

<b>Carrier Type</b>	PE+PP
<b>CaCO<sub>3</sub> percentage</b>	78-80%
<b>Color</b>	White
<b>Computability</b>	PP
<b>CaCO<sub>3</sub> medium particle size</b>	2 $\mu\text{m}$
<b>CaCO<sub>3</sub> Max. particle size</b>	6 $\mu\text{m}$
<b>Polymer carrier</b>	LLDPE
<b>Density</b>	1.86 gm/cm <sup>3</sup>
<b>MFI 2.16 Kg/210<sup>0</sup>C</b>	2 gm/10min
<b>Moisture contain</b>	< 0.1%

### Recommended Dosage

PRC 002 addition: 10-20%.

PRC 002 can be used with the thin film, blow molding and injection molding applications

### Packing

In 25 Kg laminated PP bags

### Storage

Storage in cool and dry condition for the best effect.