



DATA SHEET / SPECIFICATIONS
CLING MASTERBATCH
PX 004/V

PX 004/V is a fully saturated ethylene-propylene copolymer at 55% concentration in LLDPE. It is used for applications such as : cling additive for stretch film, carrier for pigments and fillers, process aid and impact modifier for Polyamide, improving production output in compounding and extrusion.

SPECIFICATIONS

<i>Copolymer concentration</i>	<i>55 ± 2%</i>
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ADDITIONAL TYPICAL PROPERTIES

<i>Appearance</i>	<i>Lightly dusted opaque dry granules</i>
<i>Melt Index (190°C / 2.16 kg)</i>	<i>10 - 20</i>

USAGE

In LLDPE : PX 004/V is designed to make LLDPE stretch film by either blown film or cast film process. Its cling properties give low noise and low static when unwinding film rolls and will not cause any problem of roll telescoping after production. It produces a cling film that is pleasant to touch in comparison with films made with other cling agents.

PX 004/V is compatible with most polyolefins, but not EVA. PE resins used in any stretch-cling film composition must not contain any slip or antiblock additives.

In PA : PX 004/V is used in PA to improve surface finish of molded parts (especially mineral filled grades), to assist processing of complicated molded parts and to increase impact strength (especially falling weight impact).

RECOMMENDATIONS FOR USE

Stretch film :

- a) Use concentrations are between 8 and 10 % for cast films
- b) For blown films, addition level is higher at approximately 15 %. We recommend a 2.5mm Die gap, a 3:1 BUR (blow-up-ratio) and that 10% LDPE should be added on blown film lines, as this acts as a synergist for cling. Also ensure air cooling on bubble is below 13°C, and a low wind-up tension of film rolls.

Polyamide :

Usually an addition level of 1-2% is used.

FOOD CONTACT STATUS

PX004/V is approved for contact with food as outlined by the FDA and the EEC legislation.

PACKAGING

Product is packed in 25 kg PE bags on 1375 kg shrink-wrapped pallets.
Shelf life is 9 months.

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