

PRODUCT TECHNICAL DATA SHEET

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General information

Product Description

NEOPET 84 is a food grade PET copolyester designed for general purposes, and suitable for a wide variety of beverage and juice containers, mineral water and carbonated soft drink bottles, milk, edible oil, and soy sauce containers. This product is also recommended for thermoformable sheets, cosmetics and household packaging. It is an excellent transparent product with very high mechanical and barrier properties and a low level of acetaldehyde.

The high viscosity of the NEOPET 84 product helps optimize viscosity parameters during processing with the addition of recycled PET (R-PET).

Application / Uses

- ◆ Still and carbonized beverage and water bottles
- ◆ Edible oil, juice, sport drinks, soy sauce, beer bottles
- ◆ PET film
- ◆ Containers for Cosmetics and Households

Product Properties

| Property | Value | Test method |
|---------------------------------------|-------------------------|----------------------------------|
| Intrinsic Viscosity (IV)* | 0.84 ± 0.02 dl/g | WN-B010-7040 D (Capillary visc.) |
| Melting Temperature (T _m) | 248 ± 4 °C | WN-B010-7089 D (DSC) |
| Acetaldehyde content (AA) | ≤ 1 ppm | WN-B010-9013 D (GC) |
| Color b | ≤ 1 | WN-B010-7136 D (HUNTER Lab) |
| Fines | ≤ 50 ppm | WN-B010-9031 D |
| Water content | ≤ 0.2 % | WN-B010-7159 D |
| Pellets weight | 1.7 ± 0.1 g/100 pellets | WN-B010-9038 D |
| Pellets shape | Spherical granules | - |

*Ph/DCB 2 : 3 (w/w), 25°C

Notes

NEOPET 84 resin is considered safe for food packaging applications.

Warranty

NEO GROUP warrants that its products will comply with specifications and related regulatory compliance detailed in its publications.