

PRODUCT TECHNICAL DATA SHEET

Rev.00.2022/06/23



General information

Product Description

NEOPET CYCLE 80 is a food grade PET copolyester containing 30% of recycled PET, derived from a chemical recycling process. NEOPET CYCLE 80 is 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.

Application / Uses

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

Product Properties

Property	Value	Test method
Intrinsic Viscosity (IV)*	0.80 ± 0.02 dl/g	WN-B010-7040 D (Capillary visc.)
Recycled content	30%	-
Melting Temperature (T _m)	248 ± 4 °C	WN-B010-7089 D (DSC)
Acetaldehyde content (AA)	≤ 1 ppm	WN-B010-9013 D (GC)
Color L	≥ 70	WN-B010-7136 D (HUNTER Lab)
Color b	≤ 4	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 CYCLE 80 resin is considered safe for food packaging applications. The Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that product use complies with all relevant regulations and applicable laws.

Warranty

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