

PRODUCT TECHNICAL DATA SHEET

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General information

Product Description

NEOPET 82 FR (Fast Reheat) is a food grade PET copolyester modified to improve the infrared reheating of preforms. The enhanced energy absorption results in an improved temperature control in the process, which in turn leads to improved material distribution and bottle properties, increased machine output and reduced energy consumption.

NEOPET 82 FR has been used successfully in carbonated soft drink bottles and other applications such as water bottles and food containers, as well as packaging for household goods.

Application / Uses

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

Product Properties

Property	Value	Test method
Intrinsic Viscosity (IV)*	0.82 ± 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 L	≥ 80	WN-B010-7136 D (HUNTER Lab)
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 82 FR 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.