

PRODUCT TECHNICAL DATA SHEET

NEOPET®82 FR

General information

Product Description

NEOPET® 82 FR (Fast Reheat) is a food grade PET copolymer modified to improve infrared reheating of preforms. The designed to enhance energy absorption results in improved temperature control in the process, which in leads to improved material distribution and bottle properties, increased machine output and reduced energy consumption. It is a high molecular weight polymer with a 0.82 dl/g IV.

Application / Uses

- ◆ Carbonated Soft Drink and Mineral water bottles
- ◆ Edible oil, Juice, Sport drinks 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	
Color b	< 1	WN-B010-7136 D (HUNTER Lab)
Dust content	< 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.