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Industrijos St. 2, LT-95346 Rimkai Dovilai Eldership, Klaipėda District, Lithuania Phone +370 46 466710 Fax +370 46 466711 E-mail info@neogroup.eu

# PRODUCT TECHNICAL DATA SHEET

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#### General information

### **Product Description**

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

NEOPET 84 FR is 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)*             | 0.84 ± 0.02 dl/g        | WN-B010-7040 D (Capillary visc.) |
| Melting Temperature (T <sub>m</sub> ) | 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              |                         |                                  |

\*Ph/DCB 2 : 3 (w/w), 25°C

### Notes

NEOPET 84 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.

Company code 126142011 VAT code LT261420113 Phone +370 46 466700, 466710 Fax +370 46 466711, 466721 Company data are collected and stored in the Register of Legal Entities of the Republic of Lithuania, managed by VĮ Registrų centras, Klaipėda branch

Luminor, AB LT44 4010 0510 0468 5965, AGBLLT2X SEB bankas, AB LT10 7044 0600 0382 3173, CBVILT2X

