

PRODUCT TECHNICAL DATA SHEET

Pharma neopet

General information

Product Description

PharmaNEOPET[®] is a medical grade copolyester produced by a continuous melt polymerisation process from terephthalic acid and ethylene glycol, followed by solid state polymerisation. The manufacturing process is adjusted to minimize the residual acetaldehyde content below 0.5 ppm. The specially designed composition of the polymer is used to improve the mechanical and barrier properties of the polymer, and this makes it ideal for a wide variety of pharmaceutical and medical applications.

Application / Uses

- ◆ Pharmaceutical Containers
- ◆ Containers for Cosmetics and Healthcare products

Product Properties

Property	Value	Test method
Appearance	opaque spherical granules	
Solubility	insoluble in water, in alcohol, hydrolysed by strong bases	
Intrinsic Viscosity (IV)*	0.80 ± 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)	< 0.5 ppm	WN-B010-9013 D (GC)
Color b	< 0	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

*Ph/DCB 2 : 3 (w/w), 25°C

Notes

PharmaNEOPET[®] resin complies with the requirements established by the 6th edition of the European Pharmacopoeia in chapter 3.1.15, requirements mandatory for Polyethylene terephthalate containers for preparations not for parental use.

Warranty

Neo Group warrants that its products will comply with the specifications and related regulatory compliance detailed in its publications.