

SABIC® PET PCG 80

CRYSTALLINE POLYETHYLENE TEREPHTHALATE (PET)

DESCRIPTION

SABIC® PCG PET80 for healthcare applications is produced under controlled conditions resulting in high product quality, consistency and a high level of purity. PCG PET80 is a crystalline, high molecular weight thermoplastic polymer made by continuous melt-phase polymerization process followed by solid-state polymerization. PCG PET80 is a specially formulated medical grade for pharma bottles and healthcare applications.

TYPICAL APPLICATIONS

PCG PET80 is especially suitable for the production of pharma bottles complies with the requirements laid down in the European Pharmacopoeia § 3.1.15, eighth edition, 2015. PCG PET80 is suitable for producing containers and not for parenteral use.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL PROPERTIES			
Intrinsic Viscosity	0.8 ± 0.02	dl/g	SABIC method
DEG Content	<1.5	Wt. %	SABIC method
Crystalline Density ⁽¹⁾	<1390	kg/m ³	SABIC method
Moisture Content ⁽²⁾	<0.35	Wt. %	SABIC method
POLYMER PROPERTIES			
Acetaldehyde	<1	ppm	SABIC method
Color (L)	89 ± 4.0	L-value	IRC 0051
Color (b)	-1.5 ± 2.0	b-value	IRC 0051
Dust Content	<0.01	Wt. %	SABIC method
Bulk Density	838 ± 10	kg/m ³	ASTM D1895

(1) Typical values; not to be construed as specification limits.

(2) At Equilibrium, Typical values; not to be construed as specification limits.