

# 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
<b>PHYSICAL PROPERTIES</b>			
Intrinsic Viscosity	0.8 ± 0.02	dl/g	SABIC method
DEG Content	<1.5	Wt. %	SABIC method
Crystalline Density <sup>(1)</sup>	<1390	kg/m <sup>3</sup>	SABIC method
Moisture Content <sup>(2)</sup>	<0.35	Wt. %	SABIC method
<b>POLYMER PROPERTIES</b>			
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 <sup>3</sup>	ASTM D1895

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

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