

# SABIC® PET PCG60

CRYSTALLINE POLYETHYLENE TEREPHTHALATE (PET)

## DESCRIPTION

SABIC® PET PCG60 for healthcare applications is produced under controlled conditions resulting in high product quality, consistency and a high level of purity. It is a crystalline, low molecular weight thermoplastic polymer made by continuous melt-phase polymerization process followed by solid-state polymerization.

SABIC® PET PCG60 is a specially formulated medical grade complying European and US pharmacopeia requirements. This grade exhibits easy flow ability which benefits thin walled injection molding process.

## TYPICAL APPLICATIONS

PET PCG60 is especially suitable for the production of medical blood tubes.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>PHYSICAL PROPERTIES</b>			
Intrinsic Viscosity <sup>(1)</sup>	0.6 ± 0.02	dl/g	SABIC method
Crystalline Density	<1390	kg/m <sup>3</sup>	SABIC method
Moisture Content <sup>(2)</sup>	<0.35	Wt. %	SABIC method
<b>POLYMER PROPERTIES</b>			
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
<b>OPTICAL PROPERTIES</b>			
Color (L)	>80	-	SABIC method

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

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