

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
PHYSICAL PROPERTIES			
Intrinsic Viscosity ⁽¹⁾	0.6 ± 0.02	dl/g	SABIC method
Crystalline Density	<1390	kg/m³	SABIC method
Moisture Content ⁽²⁾	<0.35	Wt. %	SABIC method
POLYMER PROPERTIES			
Color (b)	-1.5 ± 2.0	b-value	IRC 0051
Dust Content	<0.01	Wt. %	SABIC method
Bulk Density	838 ± 10	kg/m³	ASTM D1895
OPTICAL PROPERTIES			
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.