

EASTLON PET CB-602 (CLEAR)

PHYSICAL PROPERTY DATA SHEET

Product Name : EASTLON PET CB-602
 Chemical Name : POLY (Ethylene Terephthalate-Isophthalate)
 Formula : $(\text{OCOC}_6\text{H}_4\text{COOCH}_2\text{CH}_2)_n$
 Manufacturer : FAR EASTERN INDUSTRIES (SHANGHAI) LTD.

Property, Units	Test Method	Value
Density, g/cm ³	ASTM-D-1505	1,40
Bulk Density, lb/ft ³ (kg/m ³) Poured Vibrated	ASTM-D-1895	49 (785) 53 (850)
Melt Density, @285°C, g/cm ³	-	1,2
Molecular Number average (Mn)	-	26,000
Molecular Weight average (Mw)	-	52,000
Intrinsic viscosity *	ASTM-D-4603	0.80 +/- 0.02
Crystallinity, %	-	> 50
Cristalline Peak Melting Point, °C	ASTM-D-3418	245
Heat of Fusion, Cal/g (j/kg)	DSC	14 (58* 10 ³)
Thermal Conductivity, Cal/cm °C.S. (W/m.k)	ASTM-D-177	6.5*10 ⁴ (0.27)
Acetaldehyde, PPM	Celanese-Method	<1.0
Diethylene Glycol, % by wt.	-	< 1.5
Pellets Weight, g/100 grains	-	1.7 +/- 0.2

* Eastlon PET CB-602 is a condensation polymer produced from pure terephthalic acid (PTA), isoterephthalic acid (IPA) and ethylene glycol (EG) using a continuous polymerization.

* Packing: (1) 1,000 kgs in PP woven bag with PE Interlining
 20 bags or 20,000 kgs in one 20-foot container.
 (2) 25 kgs in craft bag.

* Properties reported here are typical of average lots. FAR EASTERN INDUSTRIES (SHANGHAI) LTD. makes no representation that the material in any particular shipment will conform exactly to the values given.