

	<u>Physical Properties</u>	수정일자	2013. 06. 04
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PAPET BIO

PET COPOLYMER

General Information

Description

- PAPETBIO is biomass derived Polyester resin.
- 30% Bio contents (30% Bio-MEG, 70% petro-based PTA)
- 20% CO₂ reductions comparing to petro-based PET
(Petro-based PET's CO₂ emission is 2.37kg CO₂/kg PAPETBIO's CO₂ reduction is 0.474kg/kg)
- Shows excellent mechanical properties and heat resistance.

Applications

- Carbonated beverage bottles, fresh water bottles

Physical Properties¹

General Properties	Test Method	Nominal Values	
Intrinsic Viscosity	ASTM D4603	0.80	dl/g
Color L	ASTM D6290	80 Min	-
Color b	ASTM D6290	-	-
Carboxyl End Group	LC METHOD	30.0 Max	eq/ton
Diethylene Glycol	LC METHOD	1.5 Max	wt%
Melting Point	ASTM D3418	248±3	°C
Chip Size	LC METHOD	-	g/100ea
		69±3	ea/g
Acetaldehyde	LC METHOD	1.0 Max	wtppm
H ₂ O	LC METHOD	1,000 Max	wtppm
Density	ASTM D1505	-	g/cm ³

Note

ISO 9001, 14001, /ITS 16949

¹ Physical Properties : these are not to be construed as specifications