

LOTTE CHEMICAL PET COOL

PET COPOLYMER

General Information

Description

- LOTTE CHEMICAL PET COOL can be applied to a wide range of packaging products.
- Excellent processability and optical clarity
- High stress crack resistance and toughness
- Good thermal stability and low acetaldehyde content

Applications

- ◆ Carbonated beverage bottles, fresh water bottles, wide range of uses

Physical Properties¹

General Properties	Test Method	Nominal Values	
Intrinsic Viscosity	ASTM D4603	0.74/0.76/ 0.80/0.82/0.84	dl/g
Color L	ASTM D6290	85±4	-
Color b	ASTM D6290	1.0 Max	-
Carboxyl End Group	LC METHOD	30.0 Max	eq/ton
Diethylene Glycol	LC METHOD	1.5 Max	wt%
Melting Point	ASTM D3418	245±3	°C
Chip Size	LC METHOD	1.5±0.2	g/100ea
		-	ea/g
Acetaldehyde	LC METHOD	1.0 Max	wtppm
H ₂ O	LC METHOD	2,000 Max	wtppm
Density	ASTM D1505	1.40±0.01	g/cm ³

Note

ISO 9001, 14001, /TS 16949

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