

	<u>Physical Properties</u>	Date	2019.03.05
		Lotte Chemical Corporation 14F-16F, Lotte World Tower, 300 Olympic-ro, Songpa-gu, Seoul (05551), KOREA TEL) 82-2-829-4114	

LOTTE CHEMICAL PET HOT

PET HOMOPOLYMER

General Information

Description

- LOTTE CHEMICAL PET HOT is Homo-PET Resin.
- Excellent optical clarity
- High stress crack resistance and toughness
- Good thermal stability

Applications

- ◆ Hot fillable bottles (Juice, tea, sports drink)

Physical Properties¹

General Properties	Test Method	Nominal Values	
Intrinsic Viscosity	ASTM D4603	0.80	dl/g
Color L	ASTM D6290	88±4	-
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	253±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	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