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SHAHID TONGGOOIAN PETROCHEMICAL COMPANY

POLYETHYLENE TEREPHTHALATE (COPOLYMER) | PET-BG785

Polyethylene Terephthalate BG785 (also categorized as BG780N) is a high-performance, bottle-grade thermoplastic polyester engineered for superior clarity and mechanical integrity. This resin is distinguished by its exceptional gloss, high structural toughness, and advanced barrier resistance against oxygen and carbon dioxide permeation, ensuring long-term product stability. Primarily utilized in the production of high-quality mineral water and edible oil bottles, its versatile physical properties also make it an ideal substrate for industrial fibers and precision photography films.

Producer	Applications
SHAHID TONGGOOIAN PETROCHEMICAL COMPANY	mineral water bottles and oils, industrial fibers and precision photography films

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Intrinsic Viscosity	dl/g	0.78 ± 0.02	ISO 1628-5
DEG	wt%	Max 2.0	ASTM E2409-4
Color (CIE Lab)	L*	≥90	ASTM D6290-5
Color (CIE Lab)	b*	≤2.0	ASTM D6290-5
Carboxyl End Group	meq / Kg	Max 32	ASTM D7409-7
Melting Point	C°	249±3	ASTM D3418-3
Acetaldehyde	ppm	Max 1.0	ASTM F2013-5
Water Content	wt%	Max 0.3	ASTM D6869-3