

Polyintec® BC210-TPA
Crystalline Polyethylene Terephthalate (PET)
Product Description:

Polyintec® BC210-TPA is a crystalline, high molecular weight thermoplastic polymer produced through a continuous melt-phase polymerization process, followed by solid-state polymerization. This bottle-grade PET resin, characterized by its medium intrinsic viscosity (IV), is specifically formulated for optimal performance.

Suggested Applications:

Bottles for carbonated drinks (temperate climates), Bottles for general packaging (e.g., edible oil), Thermoformed packaging.

Nominal Physical Properties:

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL PROPERTIES			
Intrinsic Viscosity	0.8 ± 0.02	dl/g	AMERICOLENE method
DEG Content	<1.5	Wt. %	AMERICOLENE method
Crystalline Density	<1390	kg/m ³	AMERICOLENE method
Moisture Content (¹)	<0.35	Wt. %	AMERICOLENE method
POLYMER PROPERTIES			
Acetaldehyde (²)	<1	ppm	AMERICOLENE method
Color (L)	89 ± 4.0	L-value	IRC 0051
Color (b)	-1.5 ± 2.0	b-value	IRC 0051
Dust Content	<0.01	Wt. %	AMERICOLENE method
Bulk Density	850 ± 10	kg/m ³	ASTM D1895

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Users should perform their own tests to determine suitability for their specific applications. The provided information is based on AMERICORP's data and is offered for informational purposes. No warranties, express or implied, are provided.