Technical Data Sheet
Film Grade
(Super Bright Resin)

Product Description

Our specially formulated food grade Polyethylene Terephthalate (PET) Resin for film applications is exquisitely crafted to offer exceptional transparency, strength, and durability. Boasting unparalleled resistance to chemicals, heat, and dimensional stability, it offers an impeccable option for diverse packaging, lamination, and various film applications where endurance and performance are paramount.

Applications

Film Grade resin for BOPET Films. Engineered for easy processability, IR-F 63 (IV 0.63) is considered suitable for BOPET films used in printing and packaging of various food grade and industrial applications.

Properties	Unit	Test Method	Test Equipment	Ismail Resin Specifications
Intrinsic Viscosity (IV)	dl/g	ASTM D-4603	Ubbelohde Viscometer IB	0.635 ± 0.02
Carboxylic End Group	m.mol/kg	PV - 07090.6	Manual Titration with Digital Burette	32 ± 3
DEG Content	%	PV-09008.7	Gas Chromatography	1.2 max
Acetaldehyde	ppm	ASTM F-2013	Gas Chromatography	≤ 80
Moisture	%	ASTM D-6980	Ohaus Moisture Analyser	≤ 0.4
Melting Point	°C	ASTM D-3418	DCS	255 ±2
Color Hunter Lab	White/black	PV - 07110.5	Color Meter	56 ± 3
Color Hunter Lab	Yellow/blue	PV - 07110.5	Color Meter	0 to +2
Chip per gram	No.	MANUAL	Manual	35 ± 5

The specifications describe the cylindrical pellets which meet all of the requirements when tested as directed by the reference methods.

Disclaimer

The information and the data contained here is believed to be correct and there are FDA/EEC compliance certifications and other major food grade approvals available that can be provided upon request.