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Basekim
Chemical Production Co.Ltd

TECHNICAL DATA SHEET

PET RESIN

Polyethylene Terephthalate Resin Chips | IV Grades 0.76 / 0.80 / 0.84

PET Resin are thermoplastic polyester resin materials supplied for industrial conversion processes, including packaging, fiber, film, sheet, and bottle-related applications where stable intrinsic viscosity and clean pellet appearance are required.

PRODUCT NAME & CAS NUMBER

Product Name	PET Resin
Chemical Formula	(C10H8O4)n
CAS Number	25038-59-9
Available Grades	IV 0.76 / IV 0.80 / IV 0.84

MAIN APPLICATIONS

- Bottle-grade and packaging conversion processes
- PET sheet and thermoforming applications
- Film extrusion and industrial packaging materials
- Polyester fiber and filament production
- Injection molding and preform manufacturing

KEY PROPERTIES

Property	IV 0.76	IV 0.80	IV 0.84
Intrinsic Viscosity (dl/g)	0.76 ± 0.02	0.80 ± 0.02	0.84 ± 0.02
Appearance	Transparent to milky white chips	Transparent to milky white chips	Transparent to milky white chips
Odor	Odorless	Odorless	Odorless
Purity	Industrial polyester resin grade	Industrial polyester resin grade	Industrial polyester resin grade
Density	Approx. 1.34-1.40 g/cm³	Approx. 1.34-1.40 g/cm³	Approx. 1.34-1.40 g/cm³
Solubility	Insoluble in water	Insoluble in water	Insoluble in water
pH	Not applicable	Not applicable	Not applicable
Typical Use Direction	Fiber, film, sheet and general packaging	Bottle, preform and packaging applications	High-strength bottle, sheet and engineering applications

STORAGE CONDITIONS

- Store in a clean, dry, and well-ventilated warehouse away from moisture and direct sunlight.
- Keep bags tightly closed and protected from contamination during handling and storage.
- Avoid exposure to excessive heat, open flames, oxidizing agents, and dusty processing areas.
- Use first-in, first-out stock rotation and maintain original packaging until production use.

TECHNICAL DISCLAIMER

This Technical Data Sheet is provided for general industrial reference only. Typical values may vary by production lot, supplier specification, test method, and final application. Buyers should confirm suitability through their own trials and request the latest certificate of analysis before commercial use.

Ankara Office: No.6, Fahrettin Pasa st. (613), Ilkbahar, Cankaya
Ank: +903125147055
Istanbul Office: No. 219, Sogut st., No: 20, T4A Block, Maslak, Sariyer
Ist: +902128072233
info@basekim.com
www.basekim.com

Basekim