

## TECHNICAL DATA SHEET

### GRADE RAMAPET FG1

**RAMAPET FG1** is produced by UIF patented state of the art, energy efficient, Melt to Resin Technology. This advance technology ensured that the quality of Film grade PET Homopolymer chips.

#### SALES SPECIFICATION

#### TYPICAL PROPERTIES

Sr.No	Parameters	Unit	VALUE	TEST METHOD	EQUIPEMENT
1	Intrinsic Viscosity (Phenol: DCB ) 60:40 @ 25 °C	dl/g	0.640 ± 0.02	IDPIPL - 2006	AVS
2	Carboxyl End Group	meq/kg	35 max	IDPIPL - 2007	Potentiometer
3	DEG by Gc	%	≤1.3	IDPIPL - 2009	Gas Chromatograph
4	Melting Point (DSC)	°C	254 ±2	IDPIPL - 2011	DSC
5	Moisture content (when packed)	%	Max 0.25	IDPIPL - 2019	Columetric
6	Chips per gram	gm	48 ± 3	IDPIPL - 2020	Counting method
7	Fine /dust content	PPM	Max 100	IDPIPL - 2017	Dry Sieve
8	Colour L*(D65/10°)	CIE	Min 65	IDPIPL - 2010	Colorimeter (KONICA MINOLTA -CM5)
9	Colour b* (D65/10°)	CIE	Max 5.0	IDPIPL - 2010	
10	Ash Content	PPM	Max 500	IDPIPL - 1005	Gravimetric
11	Oligomer content	%	≤1.5	IDPIPL - 2018	Reflux

**NOTE:** IV Measured at 25°C , Solvent: Phenol + Dichloro benzene (60:40 w/w), Ubbelohde Viscometer

**Product Description:** General-purpose film grade PET homo-polymer chips. Suitable for polyester film, ultra-bright yarn and fiber application. RAMAPET FG1 is considered safe for food packaging application based upon compliance with FDA 21 CFR section 177.1630.

**Warranty:** IDPIPL warrants its product comply with the specifications. IDPIPL does not make any other warranty, either expressed or implied regarding suitability of the product for any particular purpose. Buyers are requested to establish their own determination about safety, health, environmental protection and suitability of use for their intended purpose. As the above-mentioned information and/or data are subject to change based on continuous improvement, research and development, users are requested to obtain latest information and/ or data from offices of the company.

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