

TECHNICAL DATA SHEET

GRADE RAMAPET N1

RAMAPET N1 is produced by UIF patented state of the art, energy efficient, Melt to Resin Technology. This advance technology ensured that the quality of PET resin is superior due to lower crystallinity & less generation of AA content. This makes is a preferred product for a number of applications.

SALES SPECIFICATION

TYPICAL PROPERTIES

Sr.No	Parameters	Unit	VALUE	TEST METHOD	EQUIPEMENT
1	Intrinsic Viscosity (Phenol: DCB) 60:40 @ 25 °C	dl/g	0.800 ± 0.02	IDPIPL - 2006	AVS
2	Carboxyl End Group	meq/kg	30 max	IDPIPL - 2007	Potentiometer
3	Melting Point (DSC)	°C	247 ±2	IDPIPL - 2011	DSC
4	Moisture content (when packed)	%	Max 0.20	IDPIPL - 2019	Columetric
5	Chips weight (weight of 100 chips)	gm	≤1.7	IDPIPL - 2020	Counting method
6	Acetaldehyde (GC) Head Space	PPM	1.0 MAX	IDPIPL - 2012	HS Gas Chromatograph
7	Colour L*(D65/10°)	CIE	Min 84.5	IDPIPL - 2010	Colorimeter (KONICA MINOLTA -CM5)
8	Colour b*(D65/10°)	CIE	Max -1.0	IDPIPL - 2010	
9	Dust Content	PPM	Max 100	IDPIPL - 2017	Dry Sieve

RAMAPET N1 is a specialty Food Grade Copolymer Resin suitable for is specifically designed for the water container, Food, Edible oil container, Personal Care, Pharmaceuticals & Other general Purpose market, requiring easy processing and low residual acetaldehyde. Low crystallinity and heat of fusion of the resin, provides unique advantages of low residual acetaldehyde generation in injection molding and lower energy for conversion into bottles. The spherical pellets of the resin ensures smooth conveying in long pipelines with near zero fines generation. The uniform spherical surface allows for easy flow of air around the PET pellets and helps in consistent drying at lower temperatures, saving valuable energy.

RAMAPET N1 Grade, meets all the compliance requirements of FDA CFR21 Section 177.1630, EU Regulation 10/2011, EC Directive 94/62/EC & the CONEG regulations, for Heavy metal absence.

Warranty : RAMAPET N1 warrants its products compliance to quality specifications & related regulatory requirements specified in detail. No other warranty, either expressed or implied, regarding the suitability if the product for suitability of the product for any particular purpose is made. Buyers, must make their own determination about safety, health environment protection & Suitability of use for their intended purpose. No warranty is made of the merchantability or fitness of any product and nothing herein waives any of the seller's condition of sale.