

## TECHNICAL DATA SHEET GRADE RAMAPET R1

**RAMAPET R1** 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 ( ASTM D-4603-03)	dl/g	0.840 ± 0.02	IDPIPL - 2006	AVS
2	Carboxyl End Group	meq/kg	30 max	IDPIPL - 2007	Potentiometer
3	Melting Point (DSC)	°C	247 ±2	IDPIPL - 2007	DSC
4	Moisture content (when packed)	%	Max 0.20	IDPIPL - 2007	Columetric
5	Chips weight (weight of 100 chips)	gm	≤1.7	IDPIPL - 2011	Counting method
6	Acetaldehyde (GC) Head Space	PPM	1.0 MAX	IDPIPL - 2019	HS Gas Chromatograph
7	Colour L*(D65/10°)	CIE	80 ± 2	IDPIPL - 2012	Colorimeter (KONICA MINOLTA -CM5)
8	Colour b* (D65/10°)	CIE	Max -1.00	IDPIPL - 2012	
9	Dust Content	PPM	Max 100	IDPIPL - 2017	Dry Seive

**RAMAPET R1** is a specialty Food Grade Copolymer Fast Reheat Resin suitable for is specifically designed for the CSD Bottles, 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 R1** 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 R1 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 sellers' condition of sale.