

RAMAPET N1

Sales Specifications

Product: Polyethylene Terephthalate (PET) polymer

Sl. No	Property	Unit	Specifications	Test Equipment
1	Intrinsic Viscosity	dl/g	0.80 ± 0.02	IR-001 (Ubbelohde Viscometer)
2	Acetaldehyde	ppm	1 Max	IR-002 (Gas Chromatograph)
3	Melting point	°C	247 ± 2.0	IR-003 (Differential Scanning Calorimeter)
4	Color b	/	-1.5 ± 1.5	IR-004 (CIE Lab)
5	Crystallinity	%	50 Min	IR-005 (Density Gradient Column)
6	Moisture content (when packed)	wt %	0.2 Max	IR-006 (Gravimetric Method)
7	Chips / gm	pieces	60 ± 5	IR-007 (Weighment Method)

Description

RAMAPET N1 is a general purpose food grade PET copolymer resin that is suitable for a wide variety of containers. The resin offers good strength characteristics like dimensional stability and mechanical properties. Suitable for, water, carbonated water, alcoholic beverages, pharmaceuticals, oil, agrochemicals, wide mouth containers and for APET sheet/film extrusion application. It is also suitable for heat set blow molding that are used for warm fill applications.

RAMAPET N1 resin is considered safe for food packaging applications based upon compliance with FDA regulation 21 CFR Section 177.1630, European Legislation EU 10/2011 and RoHS Directive 2002/95/EC and its subsequent amendments for heavy metal contents.