



# Material Safety Data Sheet

Laminated Gasket & Lining Material

## EPE 200/ EPE 300/ EPE 400

PLASTIC FORMULA

### Chemical properties

After literature study of the effects of chemicals on EPE in combination with actual testing the following recommendations can be made:

E – Excellent      L – Limited      U – Unsatisfactory

Method: Contact layer tested in contact with test medium at 23°C during 8 weeks

Chemical Group	
Alcohols	E
Aliphatic Hydrocarbons	U
Alkalis	E
Aromatic Hydrocarbons	U
Esters	E
Halogenated Hydrocarbons	U
Ketones	E
Mineral Acids	E
Mineral Oils and Fuels	E
Water and Aqueous Salt Solutions	E

Please note that these results are only indicative. Therefore it is strongly suggested to test the material in contact with the actual product. The experience of Tekni-Plex Europe NV in chemical resistance testing is always at your service.

### Storage and Handling

- The material must be protected from direct sunlight and high atmospheric humidity during storage.
- It is also recommended to store the material at room temperature (15°C – 25°C). If stored at lower temperatures the material should be acclimatized before processing for about 24h until it reaches room temperature (15°C – 25°C).
- Further unfavorable storage conditions are large fluctuations in ambient temperature and high atmospheric humidity. These conditions may lead to moisture condensing inside the packaging.



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Whenever products supplied by Tekni-Plex Europe NV or its subsidiary companies are used in conjunction with third party materials, it is the responsibility of the customer to obtain all necessary information relative to the third party materials and ensure that Tekni-Plex Europe NV's products when used together with these materials are suitable for the customer's particular purpose. No liability can be accepted in respect of the use of Tekni-Plex Europe NV's products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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**Sales Specifications**

Product: Polyethylene Terephthalate (PET) Polymers - Copolymer

**RAMAPET N1**

Sl. No	Property	Unit	Specifications	Test Equipmet
1	Intrinsic Viscosity	dl/g	$0.80 \pm 0.02$	IR-001 (Ubbelohde Viscometer)
2	Acetaldehyde	ppm	1 Max.	IR-002 (Gas Chromatograph)
3	Melting point	°C	$247 \pm 2$	IR-003 (Differential Scanning Calorimeter)
4	Color b		$-1.5 \pm 1.5$	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	$60 \pm 5$	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 Carbonated water, Alcoholic beverages, Pharmaceuticals, Oils, 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, EC Directive 2002/72/EC & EC Directive 2004/19/EC amendment, EC Directive 94/62/EC and the CONEG Regulation (Heavy metals).

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