



M31G330

Provisional Technical Data-Sheet

Product Technical Information

Ethylene-MethAcrylic-Acid-Copolymer (EMAA) for coextrusion, and blown and cast film.

Benefits & Features

M31G330 is an additive free ethylene-methacrylic-acid-copolymer (EMAA) with 11.5% MAA content.

Its special polymer structure gives the following properties:

- Good adhesion to a variety of polar substrates
- Excellent hot tack and sealability enhanced by the inclusion of comonomer
- Outstanding toughness and strength

Applications

M31G330 is a specialty resin used as adhesion layer in coextrusion applications, and specialty and skin packaging.

We recommend that you consult your INEOS technical representative for further advice on the use of **M31G330**.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	1.5	g/10 min
Co-monomer				
Methacrylic Acid Content		INEOS Test Method	11.5	%
Thermal				
DSC Melting Temperature	10 °C/min	ISO 11357-3	96	°C
DSC Freezing point	10 °C/min	ISO 11357-3	78	°C
Vicat Softening Temperature	10 N	ISO 306/A50	79	°C
Data should not be used for specification work				

* Measurements made on compression moulded plaques

Processing guidelines

Maximum Processing Temperature: 285°C

M31G330 should be processed on equipment made from corrosion resistant material. The extrusion equipment has to be designed for acid copolymers to avoid corrosion. Furthermore, the resin should not be left standing in the extruder for extended periods.

After extrusion of **M31G330**, the extruder should be purged with a polyethylene resin, preferably one with a lower melt flow rate, to ensure thorough cleaning.



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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C.

Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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