# M31G330

## Provisional Technical Data-Sheet

### Product Technical Information
**E**thylene-**M**eth**A**crylic-**A**cid-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 polyethyelene 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.