



# Novex® M21N430

## Product Technical Information

LDPE extrusion coating product

### Applications

Novex® M21N430 is a speciality extrusion coating resin with improved adhesion characteristics. Main application fields include aluminium foil and metallized film coating both for industrial use, food and flexible packaging.

### Benefits and Features

M 21N 430 is an additive free ethylene-methylacrylic acid copolymer (EMAA) with a low MAA content. Its special polymer structure gives the following properties:

- Adhesive properties superior to standard LDPE extrusion coating grades especially with aluminium foil or metallized film
- Good processability in mono- and coextrusion with comparable neck-in and draw down to LDPE grades
- Exhibits good sealing properties enhanced by the presence of the comonomer
- Good organoleptical properties
- Low fumes during processing, high purity and a very low gel level

We recommend that you consult your INEOS technical representative for further advice on the use of Novex® M21N430.

Properties	Test Method	Value	Units
<b>Physical</b>			
Melt flow rate Condition D	ISO 1133	7.5	g/10 min
Conventional density (conditioning ISO 1872/1)	ISO 1183 Method D	920**	kg/m <sup>3</sup>
Methacrylic acid content	INEOS Method	1.2	%
Vicat softening temperature*	ISO 306 Method A	90	°C
DSC melting temperature (10°C/min)	INEOS Method	108	°C
Shore hardness D*	ISO 868	48	-
Tensile stress @ yield*	ISO R527	9	MPa
Tensile stress @ break*	ISO R527	10.5	MPa
Elongation @ break*	ISO R527	500	%

\* Measurements made on compression moulded plaques

\*\* Indicative value