

INEOS EMAA M21N430

Ethylene Methacrylic Acid
INEOS Olefins & Polymers Europe

Message:

Benefits & Features
M21N430 is an additive free ethylene-methacrylic-acid-copolymer (EMAA) with a low MAA content. Its special polymer structure gives the following properties:
Improved adhesion properties to standard LDPE/mLLDPE or other polar substrates, especially with aluminium foil and metallised film at high line speeds or low coating weights
Good processability in mono- and coextrusion with comparable neck-in and draw down to LDPE
Exhibits good sealing properties enhanced by the presence of the comonomer
Good organoleptical properties
Low fumes during processing, high purity and a low gel level
Applications
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.

General Information			
Features	Additive Free		
	Copolymer		
	Good Adhesion		
	Good Heat Seal		
	Good Organoleptic Properties		
	Good Processability		
	High Purity		
	Low Gel		
	Low to No Fumes		
Uses	Coating Applications		
	Foil Coatings		
	Food Packaging		
	Industrial Applications		
	Packaging		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Methacrylic Acid Content	1.2	%	Internal Method
Hardness	Nominal Value	Unit	Test Method


Shore Hardness (Shore D, Compression Molded)	48		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	9.00	MPa	
Break, Compression Molded	10.5	MPa	
Tensile Strain (Break, Compression Molded)	500	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A50
Melting Temperature (DSC) ¹	108	°C	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	260 to 325	°C	
NOTE			
1.	10°C/min		

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