

# ADMER™ NF410E

Linear Low Density Polyethylene  
Mitsui Chemicals Europe GmbH

Message:

ADMER® NF410E is a maleic anhydride grafted, PE-LLD-based adhesive resin designed for multilayer pipes composed of PE, PEX or PE-RT with EVOH, PA or Aluminum. It offers advanced adhesion durability and good processability.

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Adhesion		
	Good Processability		
Uses	Adhesives		
	Food Service Applications		
	Non-specific Food Applications		
	Piping		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.80	MPa	
Break	24.0	MPa	
Tensile Elongation (Break)	> 500	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (Area)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ASTM D1525
Peak Melting Temperature	121	°C	ASTM D3418
Oxidation Induction Time (210°C)	> 55	min	ISO 11357-6
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 to 200	°C	
Cylinder Zone 2 Temp.	180 to 200	°C	
Cylinder Zone 3 Temp.	200 to 230	°C	

Cylinder Zone 4 Temp.	200 to 230	°C
Melt Temperature	200 to 230	°C

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#### Recommended distributors for this material

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