

# ADMER™ NE072E

Polyethylene  
Mitsui Chemicals Europe GmbH

Message:

ADMER® NE072E is a maleic anhydride grafted, PE-based adhesive designed for multilayer pipes composed of PE, PEX, PE-RT and Aluminum. It offers advanced adhesion durability even at elevated temperatures 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 21 CFR 175.105		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	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	11.0	MPa	
Break	19.0	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	85.0	°C	ASTM D1525
Peak Melting Temperature	124	°C	ASTM D3418
Oxidation Induction Time (210°C)	> 35	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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