

ADMER™ NF837E

Linear Low Density Polyethylene
Mitsui Chemicals Europe GmbH

Message:

ADMER® NF837E is a maleic anhydride grafted, PE-LLD-based grade, which is especially designed for high-speed extrusion coating application. It offers strong adhesion to EVOH, PA, Paper and Aluminum.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Processability		
Uses	Adhesives		
	Coating Applications		
	Food Service Applications		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 175.105		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	7.60	MPa	
Break	16.0	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	82.0	°C	ASTM D1525
Peak Melting Temperature	114	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 200	°C	
Cylinder Zone 2 Temp.	220 to 240	°C	
Cylinder Zone 3 Temp.	240 to 270	°C	
Cylinder Zone 4 Temp.	270 to 280	°C	
Melt Temperature	280 to 290	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

