

ADPOLY EM-510M

Linear Low Density Polyethylene
Lotte Chemical Corporation

Message:

EM-510M is LLDPE based adhesive resin containing anhydride.
This grade shows strong adhesion to PE, steel, and it has polyolefin-like properties.
In addition, its processability is excellent.
EM-510M is mainly intended for use as a adhesive resin in steel pipe coating and coupling agent for flame-retarded cable compound.

General Information			
Features	Good Adhesion		
	Good Processability		
Uses	Adhesives		
	Pipe Coatings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40 to 1.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.7	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	412	MPa	ASTM D790
Flexural Strength	12.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Adhesion Strength	> 6.00	kgf/2 cm	ASTM D903

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