

Adpoly EM-510M

Adhesive Resin

General Information

Description

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.

Applications

- ◆ Steel pipe coating, Coupling agent for flame-retarded cable compound

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index(at 230°C)	ASTM D1238	0.4~1.2	g/10min		
Density	ASTM D792	0.92	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	130	kgf/cm ²	12	MPa
Elongation	ASTM D638	> 500	%	> 500	%
Flexural Modulus	ASTM D790	4200	kgf/cm ²	411	MPa
Flexural Strength	ASTM D790	130	kgf/cm ²	12	MPa
Notched Izod Impact Strength (23°C)	ASTM D256	N.B	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	51	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	100	°C		
Additional Properties					
Adhesion Strength	ASTM D903	>6	kgf/2cm		

Note

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications