

Adpoly EM-700

Adhesive Resin

General Information

Description

EM-700 is LLDPE based adhesive resin containing anhydride.
This grade shows strong adhesion to PE, Aluminum and it has polyolefin-like properties.
In addition, its processability is excellent.
EM-700 is mainly intended for use as a adhesive resin in steel pipe coating..

Applications

- ◆ Steel pipe coating, aluminum composite panel

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	1.5~2.5	g/10min		
Density	ASTM D792	0.93	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	127	kgf/cm ²	12	MPa
Elongation	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	5900	kgf/cm ²	578	MPa
Flexural Strength	ASTM D790	156	kgf/cm ²	15	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	12	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	48	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	103	℃		
Additional Properties					
Adhesion Strength	ASTM D903	>7	kgf/2cm		

Note

ISO 9001, 14001, /TS 16949

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