

# Adpoly EM-400

## Adhesive Resin

### General Information

#### Description

EM-400 is LLDPE based adhesive resin containing anhydride.

This grade shows strong adhesion to PE, aluminum, steel, and it has polyolefin-like properties. In addition, its processability is excellent.

EM-400 is mainly intended for use as a adhesive resin in steel pipe coating.

#### Applications

- ◆ Steel pipe coating, Aluminum composite panel

### Physical Properties<sup>1</sup>

General Properties	Test Method	Nominal Values			
Melt Flow Index(at 230°C)	ASTM D1238	2~3	g/10min		
Density	ASTM D792	0.93	g/cm <sup>3</sup>		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	120	kgf/cm <sup>2</sup>	11	MPa
Elongation	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	4000	kgf/cm <sup>2</sup>	392	MPa
Flexural Strength	ASTM D790	130	kgf/cm <sup>2</sup>	12	MPa
Notched Izod Impact Strength (23°C)	ASTM D256	N.B	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	50	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	95	°C		
Additional Properties					
Adhesion Strength	ASTM D903	>5	kgf/2cm		

#### Note

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications