



THAI MITSUI SPECIALTY CHEMICALS CO.,LTD.

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ALMATEX 785-5

GENERAL

ALMATEX 785-5 is high quality thermosetting acrylic resin for electric appliances and general baking which has following characteristics.

1. FEATURES

1. High gloss & hardness
2. Good flexibility and chemical resistance
3. Good stain resistance
4. Good corrosion resistance

2. SPECIFICATION

ITEM	
Appearance	Clear
Non-volatile (%)	50±1
Viscosity (Gardner,25°C)	V ~ Y
TG (°C)	16
Acid Value (KOHmg/g,Varnish)	6 ~ 10
Solvent system	Xylene / n-BuOH=90/10

Shelf life : 1 year after production (under roof or indoor)

3.PAINT FORMULATION

(Application for metal coating)

Substrate : Bondelite Zinc Phosphate steel
 Baking Condition : 150°CX20min. Film thickness : 25-30
 Coating method : Air spray

Formulation

Almatex 785-5	382
U-VAN 20SE60	100
EPOMIK R301	50 (60% in MIBK)
Titanium Dioxide	300
Solvesso#100	138
Butyl Cellosolve	30
Total	1000

PWC 60%

Reduce viscosity to 20~22 second (Ford Cup#4) with thinner
 Thinner : Solvesso#100 / Propylene Glycol Monomethyl Ether
 Acetate = 7/3

4. TEST RESULTS

ITEM	Result
Appearance	Excellent
Gloss 60°	92.0 ~ 94.0
Pencil hardness	2H
Dupont impact (cm.) (1/2 inches ,500g)	>50
Bending (mm.)	4 ~ 6
Adhesion	100/100
Erichsen (mm.)	6.0
5% CH ₃ COOH spot resistance (72hr.)	Good
5% NaOH (72hr.)	Excellent
Stain resistance	
Marking ink	Excellent
Lipstick	Excellent
Cigarettes	Good
Salt spray resistance, (480hrs)	Good
UV. Resistance, (20W.x 48hrs.)	Δ E = 1.1

(30 May 2007)