



RAINBOW

ACRYLIC BAKING ENAMEL

PRODUCT NUMBER	1120
TYPE	The acrylic baking enamel based on polyacrylic acid resin and melamine resin with weather resistant pigment.
USES	Used for vehicles, agricultural machineries, electronic ware, steel furniture and general tools etc.
CHARACTERISTICS	<ol style="list-style-type: none">1. Tough paint film with smooth appearance.2. Excellent adhesion and abrasion resistance.3. Excellent weather resistance and gloss and color retention.4. Excellent resistance to oils, solvents and pollution.5. Excellent resistance to chemicals such as water, salts, acids and alkalis etc.6. Low yellowing for white paint.
GLOSS	Above 95%
COLOR	Desired colors
MASS DENSITY	Above 0.9 Kg./L
VISCOSITY	50~70 KU (25°C)
HARDNESS	Above H
CROSS-CUT TAPE TEST	Adhesive rate 100/100 based on sample piece of one square millimeter scratch
BENDING TEST	0.24 mm steel × ϕ 3m/m : no cracks
EXTRUSION TEST	3 millimeters by Erichsen : no cracks
DRAWING TEST	500g × 10m/m : Pass
IMPACT RESISTANCE TEST	ϕ 12.5 mm × 0.5 kg × 50 cm × 0.8 mm steel : no cracks
BAKING CONDITION	140°C × 30 minutes or 150°C × 25 minutes or 160°C × 20 minutes
FILM THICKNESS	Wet 90 microns Dry 25 microns
THEORETICAL COVERAGE	42.0 m ² /Gal 11.1 m ² /L 12.3 m ² /Kg
VOLUME SOLIDS	Above 28%
THINNER	No.1112 Baking Enamel Thinner (or specified thinner)
THINING RATE	15~25% (cleaning tools excluded)
PRECEDING COATING	No.1109 Baking Primer
STORAGE SHELF LIFE	Minimum 1 year under normal storage condition.
APPLICATION METHOD	Spray, Electrostatic Spray
NOTE	<ol style="list-style-type: none">1. Use specified thinner to dilute the paint to reach standard spraying viscosity (Ford cup #4) 16± 2 seconds.2. Adhered moisture, grease and dust on the substrate must be cleaned thoroughly.3. After applying, keep static about 10~15 minutes in room temperature, until the solvent within paint film vaporizes thoroughly, and then baking in accordance with baking temperature and time.

EPDM111120XX V1.0

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