

DT-106 Flexible Polyester

DT-106 high flexible polyester is formulated with a linear polyester resin unlikely branched structure of oil-free polyester resin for construction. Hence it is suitable for high flexibility. It can manipulate molecular weight between 10,000 and 15,000, so it has high flexibility, high gloss, hardness. It is stable to multipurpose and has properties, high workability. DT-106 has excellent durability and designed to use for exterior materials.

Product Characteristics

1. Excellent flexibility
2. Excellent abrasion resistance

Use

1. door frame
2. interior hardware
3. home appliances
4. office furniture

Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, Galvalume etc	Primer	DP-600 DP-610	5 μ m	204 $^{\circ}$ C
	Top coating	DT-106	15~20 μ m	224 $^{\circ}$ C

※ Backer : DB-890 Epoxy backer applied

Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	10~95	Gardner 60 $^{\circ}$ meter or equivalent
ASTM D3363	Pencil hardness	HB~H	No break in the film (Mitsubishi uni pencil)
ASTM D4145	T-bend	2T~ 5T	No crack
ASTM D2794	Impact (1/2in \times 50cm \times 1 kg)	Good	No crack
ASTM D5402-93	Solvent resistance	50 cycle	MEK double rub