

## DT-150 High Polymer

DT-150 High Polymer is formulated with a proprietary linear polyester as the main binder which has the properties of excellent weather resistance flexibility and durability.

### Product Characteristics

1. Excellent flexibility and workability
2. Excellent hardness
3. Excellent anti-corrosiveness

### Use

1. VTR cases and Show cases
2. Refrigerators

### Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, E.G.I	Primer	DP-800 DP-860	5~7 $\mu$ m	216 $^{\circ}$ C
	Top coating	DT-150	17~20 $\mu$ m	232 $^{\circ}$ C

※ Backer : DB-100 Polyester backer applied

### Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	20~90	Gardner 60 $^{\circ}$ meter or equivalent
ASTM D3363	Pencil hardness	HB~2H	No break in the film (Mitsubishi uni pencil)
ASTM D4145	T-bend	0T~2T	No pick off with scotch #610 tape
ASTM D2794	Impact (1/2in $\times$ 50cm $\times$ 1kg)	Good	No pick off with scotch #610 tape
ASTM D5402-93	Solvent resistance	50 cycle	MEK double rub
ASTM G155	Accelerated weathering test 240hrs	Good	No objectionable chalking per ASTM D-4214
ASTM D2247	Humidity resistance 500hrs at 100 $^{\circ}$ F, 95% RH	Good	Less than 5% No.8 size blisters
ASTM B117	Salt spray test 240hrs 5% NaCl solution	Good	Less than 5% No.6 size

\* All data is based on lab test results and experience of NCC but, it could be changed without notice because of continuous development about quality by NCC.