SYNTHETIC RESINS - PAINT AND VARNISH / Solvent Based

1 K ACRYLIC RESIN

IZELCRYL 22T55

STARTING PAINT FORMULATION

COMPONENT	AMOUNT %	
IZELCRYL 22T55	53	
DISPERSION AGENT	0,5	
ANTI COLLAPSE	0,3	
CALCITE	35	
CARBON BLACK	1,5	
SOLVENT	9,7	

^{*}In paint formulation, resin solid rate is between 30-35% and paint solid ratio is between 65-70%.

PAINT AND VARNISH PROPERTIES

TEST	VARNISH	PAINT
Drying(minute,20-23°C)	15	10
Hard Drying(hour, 20-23°C)	24	24
Gloss (60°, 20-23°C)	89	65
Pendulum Hardness (1-5 day/counts ,20-23°C)	210p-270p	155p-230p
*Yellowing Resistance (20-23°C)	3	-
*Cross Cut (GAL/AL/SHT)	2/2/2	4/3/5
*Impact Strength(5N/1000g)(GAL/AL/SH)	3/4/3	4/3/5
*Conical Bend Test (20-23°C)(GAL/AL/SHT)	2/2/1	3/3/3
**Abrasion Test(1000 cycle / 500 gr)	0,740	1,284

^(*)Marked areas are rated as 0 best and 5 worst.

 $TaberWear\ Index\ =\ (\ F_{total}\ x\ T\)\ /\ n\ F_{total}\ =\ A_{first}-B_{End}\ n=cycle\ T=mass\ loss\ at\ an\ average\ of\ 1000\ cycle$

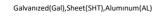




Figure 1. Aluminum surface impact test





Figure 2. Galvanized surface impact test



Figure 5. Galvanızed surface adhesion test



Figure 3. Sheet metal impact test





Note: Experiments were carried out under Izel Kimya laboratory conditions aimed to give information about the product features. Results may vary according to the user and application condition.

 $^{(\}ensuremath{^{**}}\xspace)$ Taber Abrasion Test performed according to the mass method