

Technical Data Sheet

TYPE

: Thermosetting Acrylic Resin

PRODUCT

: **BENCRYL 26X60**

PRODUCT DATA

APPEARANCE

: Crystal clear

SOLVENT

: Xylene

NON-VOLATILE MATTER (%)

: 60 $\pm$ 2%

ACIDITY [mgKOH/g]

: 2 ~ 6

VISCOSITY [mpa·s] (25 °C)

: 1200 ~ 3000

HYDROXYL CONTENT (approx,%)

: 2.6 %

HYDROXYL VALUE, approx [mgKOH/g] (100%)

: 86

DENSITY [g/cm³], approx (25 °C)

: 1.01

FLASH POINT, approx (°C)

: 27

Color (Gardner)

: Max 1

SPECIAL PROPERTIES AND USE

- High gloss, flexibility, great levelling, film fullness, and distinctness of image, great weathering resistance.
- Topcoat or clearcoat for wood, industrial, or automotive coatings.

PACKAGING

- In 200 KG net mild steel tight head drums.

1.1 Varnish formulation

Table 1.1 Varnish formulation

Number	Ingredients	Ratio by weight
1	BENCRYL 26X60	80
2	PMA	3
3	XYL	5
4	BAC	10
5	10%BYK306 in BAC	0.5
6	BYK358N	0.3
7	UV absorber Ciba 5151	1
8	10% Dabco T-12 (Air Products) in BAC	0.2
	Total	100

Reference: ① Paint/HDI90 Hardener/Thinner=100/16/Appropriate;

② Thinner: XYL/BAC/PMA/MIBK=3/3/2/2; ③ Using tinplate as base material if no remarks.

1.2 Varnish Performance

Table 1.2 Varnish performance

Test	Result	Standard
50 kg . cm, Impact testing 50 kg . cm	Pass	GB/T 1732-1993
Surface drying time 25 °C	20 min	GB/T 1728-1979
Adhesion	100/100	GB/T 9286-1998
Pencil hardness drying 70 °C 2h	2H	GB/T 6739-2006
Pencil hardness, room temperature, air drying	H	GB/T 6739-2006
Gloss (60°),%	96	GB/T 9754-2007
Flexibility 1mm	Good	-----

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