

ATACRYL 10XB60 1 %OH

PRODUCT DESCRIPTION

ATACRYL 10XB60 1 %OH is a hydroxyl functional acrylic resin developed for two component systems when cured with polyisocyanate.

STORAGE & SHELF LIFE

The resin should be stored indoors in original, unopened, use in undamaged container in a dry place at storage temperature between 5-30 °C Exposure to direct sunlight should be avoided. The shelf life of the resin under the mentioned storage conditions is 1 year.

Characteristics of ATACRYL 10XB60 1 %OH based coatings include:

High gloss
Excellent weathering properties
Excellent chemical resistance
Good application properties

MATERIAL SAFETY

SDS for this product is available on request

DELIVERY FORM

IBC - 1000 kg
Barrel - 200 kg
Bulk

APPLICATION

Auto repair
Industrial paints and varnishes
Marine paints and varnishes.
Wood
Furniture varnish

CHEMICAL COMPOSITION

The solvents chosen for paints and lacquers based on ATACRYL 10XB60 1 %OH should be free of water and should not contain groups that react with isocyanates

TECHNICAL SPECIFICATIONS

| Property | Value | Unit | Test Method |
|------------------------------|------------------------|--------------------|--------------------------|
| Solvent type | Xylene / Butyl acetate | - | - |
| Solid content | 58-62 | % | TS EN ISO 3251 |
| Viscosity (Brookfield 25 °C) | 2300-3300 | cP | TS 6126 EN ISO 2555 |
| Acid value | Max 10 | mg KOH/g | TS 2366 EN ISO 2114 |
| Colour | Max 1 | Gardner | TS EN ISO 4630 |
| Hydroxyl value (On solid) | approx. 1 | % | Ata yağ ve kimya Methods |
| Hydroxyl value (Supply form) | 0,6±0,2 | % | Ata yağ ve kimya Methods |
| Density (20 °C) | 0,99-1,03 | gr/cm ³ | TS EN ISO 2811-1 |

The amount of polyisocyanate used to 100 g of acrylic resin (100% solid)

$$= \frac{42 \times 100 \times OH \%}{17 \times NCO \%} \times \frac{NCO}{OH}$$

General suggestion is NCO/OH ratio should be equal to 1.

But;

If the product has to be harder and has more resistance for chemicals;
NCO/OH>1

If the product has to be flexible has good adhesion and weatherability;
NCO/OH<1

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