

ACRYL 1210 N

Acryl 1210 N is a hydroxyl functional acrylic resin designed for crosslinking with polyisocyanates, specially used in automotive refinishes such as paints and clear coats.

TYPICAL PROPERTIES

- Appearance Clear liquid
- Type With Polyisocyanates Cross-Linkable
- Solvent Xylene/MPA(1:1)
- Solubility Soluble in:
 - Ketones & Esters
 - Glycol Ethers
- Insoluble in:
 - Aliphatic hydrocarbons
- Color Hazen(APHA)(ASTM D-1209) <70
Gardner(ASTM D-1544) <1
- Solids%(ASTM D-1259) 60±1
- Acid value(mg KOH/g)(ASTM D-1639) 5-10
- Hydroxyl content%(ASTM D-4274) 4.5
- Viscosity at 25°C (cP)(ASTM D-562) 2500-5000
- Density at 25°C(g/ml)(ASTM D-1475) 1.03
- Flash point(°C)(ASTM D-93) 24

FILM PROPERTIES

- Excellent mechanical properties
- Superior outdoor stability
- Very good chemical resistance
- Excellent gloss

RECOMMENDATIONS FOR END-USE

- The principal application is in producing automotive refinishes as top coats and clear coats.

FORMULATING GUIDELINES

- In combination with aliphatic polyisocyanates at ambient temperature drying or forced drying.
- Coatings reach to their optimum properties after 10 to 12 days, but it forced dried 30 minutes at 80°C is sufficient for curing.
- See our guide formulation for specific information.
- Should be avoided using alcohol and glycol solvents.

STORAGE

- Should be kept in sealed containers at temperature not exceeding 35°C and well ventilated area for a maximum 12 months.

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