



NOVOC® 4982

NOVOC® 4982 is a general purpose, high solids no HAP's, impact modified polyester/vinyl ester resin developed by Andara LLC. to help customers comply with air quality emission standards. The resin system generates less than 1% VOC's.

NOVOC® 4982 displays good cold weather impact properties. The resin is suitable for use in open mold applications, hand lay-up and filament winding.

NOVOC® 4982 will outperform conventional polyesters and vinyl esters based on physical properties, solids yield, and process speed. The resin has excellent wet-out characteristics and requires no extraordinary handling or processing procedures. Andara LLC. recommends that each user evaluate the performance of the NOVOC® 4982 under conditions that simulate production procedures as nearly as possible to determine suitability for each application. For additional technical information or questions, contact your sales representative.

Liquid Properties:

Viscosity (LV #3 @30rpm 25C	600cps
Thix index 3/30.....	.2.5
25C Gel Time (2% CU-80)	17-20
Cure time	7-10
Peak Exotherm.....	335°F

Physical properties:

Tensile

Test Type	ASTM D638
Mean Tensile Strength (psi)	23,000
Mean Tensile Modulus (psi)	1,180,000

Elongation % 6.2

Flexural

Test Type	ASTM D790
Mean Flexural Strength (psi)	33,000
Mean Flexural Modulus (psi)	690,000

Compression

Test Type	ASTM D695
Mean Compressive Strength (psi)	23,350 Mean
Compressive Modulus (psi)	508,000

Impact

Test Type	ASTM D265
Izod Impact Strength (ft.lb.)	16.6

Water Absorption 0.39

Glass Transition Temperature.....230°F

Physical properties testing conducted on non-filled resin panels, with 33% glass reinforcement.

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