



“Environmentally Responsible Resin Systems”

NOVOC® 8000

Description:

NOVOC 8000 is a general purpose, high solids, zero HAP's, modified polyester resin developed by NOVOC Performance Resins, LLC to help customers comply with air quality emission standards. The resin system emits less than 1% VOC's.

NOVOC 8000 displays good impact properties. The resin is suitable for part manufacturing, and use in spray up, hand lay-up, resin transfer molding, and vacuum infusion applications.

NOVOC 8000 will outperform conventional polyesters based on physical properties, solids yield, and process speed. The resin has good wet-out characteristics and requires no extraordinary handling or processing procedures to achieve outstanding physical properties with no VOC's.

We recommend that each user evaluate the performance of the NOVOC 8000 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.

Physical properties: (Reinforced - See below)

Tensile

Test Type.....	ASTM D638
Mean Tensile Strength (psi).....	~18,541
Mean Tensile Modulus (psi).....	~1,510,583

Flexural

Test Type.....	ASTM D790
Mean Flexural Strength (psi).....	~34,073
Mean Flexural Modulus (psi).....	~1,199,379

Compression

Test Type.....	ASTM D695
Mean Flexural Strength (psi).....	~25,371
Mean Flexural Modulus (psi).....	~566,000

Impact

Test Type.....	ASTM D265
Izod Impact Strength (ft.lb.).....	~25,371

Elongation, %.....~2.20

Water Absorption..... 1.3

Glass Transition Temperature..... ~331°F

Physical properties testing was performed using clear resin panels, with 35% chopped strand mat fiberglass reinforcement.