



POLYCRYL CORPORATION
Earthguard Resins and Gel Coats

Data Sheet

**POLYCRYL
CORPORATION**

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EG-3000HT *EarthGuard 3000HT™*

EarthGuard 3000HT Vinyl Ester Hybrid Resin is a low styrene, high temperature resistant, vinylester urethane enhanced tooling resin for the production of high quality FRP molds for various industries including; marine, automotive and aerospace. The EG-3000HT is pre-promoted, pre-thixed and formulated for use in either hand lay-up or spray-up applications.

Features and Benefits

High-Performance Vinyl Ester Urethane Hybrid Resin

Utilizes Unique Chemistry Reducing Styrene Levels

Meets All Current Federal VOC Requirements

Easy Application and Wet Out with Low Odor

Exceptional Cosmetics with Minimal Fiber Print

Excellent Cure in Thin Laminates

Superior Laminate Strength

High Heat Resistance for Long Term Durability

DISCLAIMER: The data on this sheet represents typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Polycryl assumes no obligation or liability for use of this information. UNLESS POLYCRYL AGREES OTHERWISE IN WRITING, POLYCRYL MAKES NOT WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. POLYCRYL WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

Typical Properties of EarthGuard 3000HT™

Specification	Value
Tensile Strength	11,200 psi
Tensile Modulus	540,000 psi
Tensile Elongation	3.3 %
Flexural Strength	21,500 psi
Flexural Modulus	540,000 psi
Heat Distortion Temperature	245° F
Barcol Hardness	42 - 46
Weight/Gallon, Pounds	9.1
#3—6 rpm, cps	1,400 – 2,000
#3—60 rpm, cps	560 - 680
Thixotropic Index	2.00 - 3.00
United Initiators 925H	1.5%
Gel Time, Minutes	S 38 - 42, W 34 - 38
Gel Peak, Minutes	8 - 12
Peak Exotherm (200g)	345 – 365° F