

Product Data



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SPECIFIC PROPERTIES BULLETIN UHD-2500

ULTRA HIGH DEFINITION WHITE

Description: Using a proprietary polymer grafting technique blended with styrene and MMA, HK Research has developed a **Grafted Polymer** that has multiple reactive sites that allow superior cross-link density (high molecular weights = best weathering and water resistance), AND this new grafted polymer has inherent flexibility (6% Flexural Elongation). This unique molecular makeup yields superior in-shop handling properties and excellent transfer efficiency while maintaining superior end-use properties designed for the Marine Industry.

Typical properties of this product:

HAP (Styrene) Content:	27%
HAP (MMA) Content:	4%
H.D.T.	60°C
Tensile Strength	11360 psi
Elongation @ Break	5%
Weight/Gallon @ 77°F:	11.58 pounds
Specific Gravity @ 77°F:	1.39
Viscosity, Brookfield RV @ 77°F #4 @ 20 rpm:	5500-6500 cps
Thixotropic Index:	5.5 – 8.0
Gel Time, 100 Grams @ 77°F, 2% MEKP*:	18-22 minutes
Typical Film Cure Rate @ 77°F, 2% MEKP	
Film Gel Time	20-30 minutes
Cure Time	<60 minutes
Barcol Hardness, Cured Film	30-40 units

Shelf Life -

Uncatalyzed, @ 77°F: 3 months minimum
Recommended catalysts are Cadox L-50a, MEKP-950, and DDM-9.
Call HK's Lab for other recommendations.

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The information and data given in this bulletin are based on tests, which are considered to be reliable and accurate. Because of environmental conditions beyond our control, however, no warranty is given concerning the results obtained by the user of HK Research products. Each user should satisfy himself, by adequate testing, of the suitability of HK Research products for his particular application.