



POLYMAC[®]



Polynt Composites USA ... Delivering high-quality coating resin technologies & solutions since 1947!

Polymac HS 220-2015 Thermosetting Polyester Resin

Description	Polymac HS 220-2015 is a high solids aliphatic polyester featuring high gloss and excellent clarity and color. It is designed to provide 2.8 VOC compliant coatings that exhibit superior weatherability, excellent durability and a balance of film properties, including Skydrol resistance. Polymac HS 220-2015 is an excellent blending resin for acrylics and similar resins to enhance film performance and VOC in either isocyanate or melamine cured coatings. Manufactured in North America.	
Features	<ul style="list-style-type: none"> ▪ HAPs-free ▪ Excellent chemical resistance ▪ Excellent exterior durability 	
Performance Benefits	<ul style="list-style-type: none"> ▪ Excellent clarity and color ▪ Skydrol resistance in urethane system ▪ Good DOI, flow and leveling 	
Typical Physical Properties	% Nonvolatile weight	75.0
	% Nonvolatile volume*	67.3
	Specific gravity	1.07
	Density (lbs/gal)	8.90
	Viscosity (Gardner-Holdt)	Z _{1.5} -Z _{3.5}
	Color maximum (Gardner)	2
	Acid number maximum (solids)	5
	Hydroxyl number* (solids)	280
	Equivalent weight* (solids)	200
	Flash point* (°F)	102
Other Properties	Appearance	Clear
	Solvent type	MAK

*Theoretical values are listed. Actual values may vary depending on test method and coating composition.

Polymac 220-2015

Polynt Composites USA Inc. • 99 East Cottage Ave. • Carpentersville, IL 60110
Customer Service: phone +1 800 322 8103 • fax +1 847 428 2757

www.polynt.com • www.polyntcompositesus.com

• October 2016 •

Warranty Disclaimer

LIMITED WARRANTY.

Seller warrants that: (i) Buyer shall obtain good title to the product sold hereunder, (ii) at shipment such product shall conform to Seller's specifications for the product; and (iii) the sale or use of such product will not infringe the claims of any U.S. patent covering the product itself, but Seller does not warrant against infringement which might arise by the use of said product in any combination with other products or arising in the operation of any process. **SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO SELLER. ANY ADDITIONAL REPRESENTATIONS OR SUGGESTIONS REGARDING THE PRODUCT OR ITS POSSIBLE USES ARE BASED UPON SELLER'S GOOD FAITH OPINION AND BELIEF, BUT ARE NOT TO BE CONSTRUED AS AFFIRMATIONS OF FACT, PROMISES, OR DESCRIPTIONS, AND SHALL IN NO WAY BE DEEMED PART OF THE SALE OF PRODUCT.** In particular, and without limiting the foregoing, because of environmental and use conditions beyond Seller's control, Seller offers no warranty and makes no promise concerning the results that may be obtained by the Buyer (or the Buyer's customer) with the product or the performance of the product. Each user should satisfy itself, by adequate testing, of the suitability of the product for its particular application.

LIMITATION OF LIABILITY.

- (a) Seller's total liability for any claim arising out of or in connection with this contract, including for breach of contract, warranty, statutory duty, or for other tort, including seller's negligence, shall not exceed the purchase price of such product as to which such liability arises. Seller shall not be liable for any injury, loss or damage, resulting from the handling or use of the product shipped hereunder whether in the manufacturing process or otherwise. **IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, CAPITAL OR BUSINESS OPPORTUNITY, DOWNTIME COSTS, OR CLAIMS OF CUSTOMERS OR EMPLOYEES OF BUYER, WHETHER IN AN ACTION UNDER CONTRACT, NEGLIGENCE OR ANY OTHER THEORY, ARISING OUT OF OR IN CONNECTION WITH THIS CONTRACT, OR THE USE, INABILITY TO USE, OR PERFORMANCE OF THE PRODUCT.**
- (b) If Seller furnishes technical or other advice to Buyer, whether or not at Buyer's request, with respect to processing, further manufacture, other use or resale of the products, Seller shall not be liable for, and Buyer assumes all risk of, such advice and the results thereof.

The information provided is believed to be accurate at the time of preparation, or prepared from sources believed to be reliable, but it is the responsibility of user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use.

Polymac 220-2015

Polynt Composites USA Inc. • 99 East Cottage Ave. • Carpentersville, IL 60110
Customer Service: phone +1 800 322 8103 • fax +1 847 428 2757

www.polynt.com • www.polyntcompositesus.com

• October 2016 •