

POLYMAC[®] Powder Resin

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

Polymac 5160 Carboxyl-Terminated Polyester Resin

Description

Polymac 5160 is a high gloss, general purpose carboxyl-functional polyester resin designed for cure with TGIC at a 93:7 ratio and with Primid XL-552 at a 95:5 ratio. The resulting coatings exhibit excellent flow, good flexibility and superior exterior durability. Polymac 5160 is TMA-free.

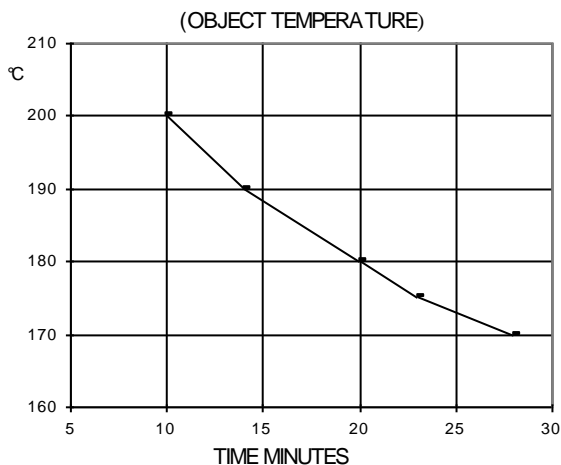
Typical Physical Properties

Viscosity (mPa·s) at 200°C*	3000-3800
Color maximum (Gardner) at 50% solids*	2
Acid value*	32-37
Tg (°C)*	59
Appearance	Water white flakes

Starting Point Formula

FORMULA	
Polymac 5160	568
TGIC	44
Titanium dioxide	376
Flow agent	7
Benzoin	5
Total	1000

CURE CURVE



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

Polymac 5160

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 5160

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 •