

## **Technical Data Sheet**



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

# **Polymac 220-1926 Thermosetting Polyester Resin**

coil coatings. It can be formulated with proper crosslinker into flexible baking enamels. Manufactured in North America.  • Excellent flexibility • Very good gloss and color retention  • Excellent adhesion to aluminum and steel • Excellent durability  Typical Physical Properties  65.0  % Nonvolatile weight 65.0  % Nonvolatile volume* 57.5  Specific gravity 1.09  Density (lbs/gal) Viscosity (Gardner-Holdt) Z <sub>3</sub> -Z <sub>5</sub> Reduced viscosity @ 55% in SC-150 (Gardner-Holdt) V-X  Color maximum (Gardner) 3 Acid number maximum (solids) Hydroxyl number* (solids) 5141		•	
Very good gloss and color retention	Description	coil coatings. It can be formulated with proper crosslinker into flexible baking	
■ Excellent durability           Typical Physical Properties         % Nonvolatile weight         65.0           % Nonvolatile volume*         57.5           Specific gravity         1.09           Density (lbs/gal)         9.05           Viscosity (Gardner-Holdt)         Z₃-Z₅           Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)         V-X           Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear	Features	·	
Properties         % Nonvolatile volume*         57.5           Specific gravity         1.09           Density (lbs/gal)         9.05           Viscosity (Gardner-Holdt)         Z <sub>3</sub> -Z <sub>5</sub> Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)         V-X           Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear	Performance Benefits		
Specific gravity   1.09	Typical Physical Properties	% Nonvolatile weight	65.0
Density (lbs/gal)         9.05           Viscosity (Gardner-Holdt)         Z₃-Z₅           Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)         V-X           Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear		% Nonvolatile volume*	57.5
Viscosity (Gardner-Holdt)         Z3-Z5           Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)         V-X           Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear		Specific gravity	1.09
Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)         V-X           Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear		Density (lbs/gal)	9.05
Color maximum (Gardner)         3           Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear		Viscosity (Gardner-Holdt)	Z <sub>3</sub> -Z <sub>5</sub>
Acid number maximum (solids)         10           Hydroxyl number* (solids)         32           Flash point* (°F)         141           Other Properties         Appearance         Clear		Reduced viscosity @ 55% in SC-150 (Gardner-Holdt)	V-X
Hydroxyl number* (solids) 32 Flash point* (°F) 141  Other Properties Appearance Clear		Color maximum (Gardner)	3
Flash point* (°F) 141  Other Properties Appearance Clear		Acid number maximum (solids)	10
Other Properties Appearance Clear		Hydroxyl number* (solids)	32
		Flash point* (°F)	141
Solvent type SC-150, xylene	Other Properties	Appearance	Clear
		Solvent type	SC-150, xylene

<sup>\*</sup>Theoretical values are listed. Actual values may vary depending on test method and coating composition.

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