



Technical Data Sheet

DURAMAC®

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

Duramac HS 57-5742 Short Oil Alkyd Resin

Description

Duramac HS 57-5742 is a high solids short oil alkyd resin for baking systems. Industrial enamels based on this resin exhibit good gloss and gloss retention under weathering conditions, as well as corrosion and humidity resistance. It fits well in applications that require economical coatings with strong overall performance properties. Manufactured in North America. All components of this product are listed on the DSL.

Features

- Designed for industrial bake applications
- Good gloss retention
- Electrostatically sprayable
- Good corrosion and humidity resistance

Performance Benefits

- Good cost/performance balance
- Excellent UV resistance
- Can be formulated to 2.8 lbs/gal (340 g/L) VOC

Typical Physical Properties

% Nonvolatile weight	88.0
% Nonvolatile volume*	87.1
Specific gravity	1.12
Density (lbs/gal)	9.33
Viscosity (Gardner-Holdt)	Z _{5.5} -Z _{6.5}
Reduced viscosity @ 70% in xylene (Gardner-Holdt)	I-M
Color maximum (Gardner)	7
Acid number maximum (solids)	10
Hydroxyl number* (solids)	152
Equivalent weight* (solids)	370
Flash point* (°F)	120

Other Properties

Appearance	Clear amber
Oil type	TOFA
Solvent type	Xylene

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

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