

UVP-1300 Unsaturated Polyester Acrylate Resin

Description: Solid resin for UV cured powder coatings

Properties:

Appearance	Granulated flakes
Viscosity @200°C (range)	3000-6000 mPa.s
Acid value (range)	3-10 mgKOH/g
Glass transition, Tg (range)	46-51°C

Storage Conditions: < 27°C, RH < 50% protect from direct sunlight

Recommended Shelf Life: 12 months. Beyond 12 months subject to recertification by manufacturer

Substrates:

Medium density fiberboard
Pretreated metals
Pretreated plastics and composites
Pretreated carbon fiber

Formulation

Guidance:

UVP-1300	50% - 97%
Photoinitiator	2% - 5%
Pigments	0% - 25%
Additives/Other	1% - 45%

UV Cure: Medium pressure microwave lamp: UVV dosage of 2000-5000 mJ/cm² and UVV intensity of 1000-2000 mW/cm²

UV LED: 395nm >12300 mJ/cm² and >2500 mW/cm²

A coating temperature of 100 - 130°C (185°C max) is recommended at the time of cure

Safety Information: Consult Safety Data Sheet (SDS)

Keyland Polymer UV Materials Spain, S.L.

Calle Salustiano Olozaga 5G
Oyon-Oion, Alava, Spain 01320
info@keylandpolymer.com

January 2020

©2020 Keyland Polymer Material Sciences, LLC
All rights reserved

Warranty: Limited Remedy: Limited Liability.

This product will be free from defects in material and manufacture for the recommended shelf life detailed above. **KEYLAND POLYMER MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated, your exclusive remedy shall be, at Keyland Polymer's options, to replace or repair the Keyland Polymer product or refund the purchase price of the Keyland Polymer product. **Except where prohibited by law, Keyland Polymer will not be liable for any indirect, special, incidental or consequential loss or damage arising from this Keyland Polymer product, regardless of the legal theory asserted.**