

CRYLCOAT® E 04482

Flexible Superdurable for outdoor application



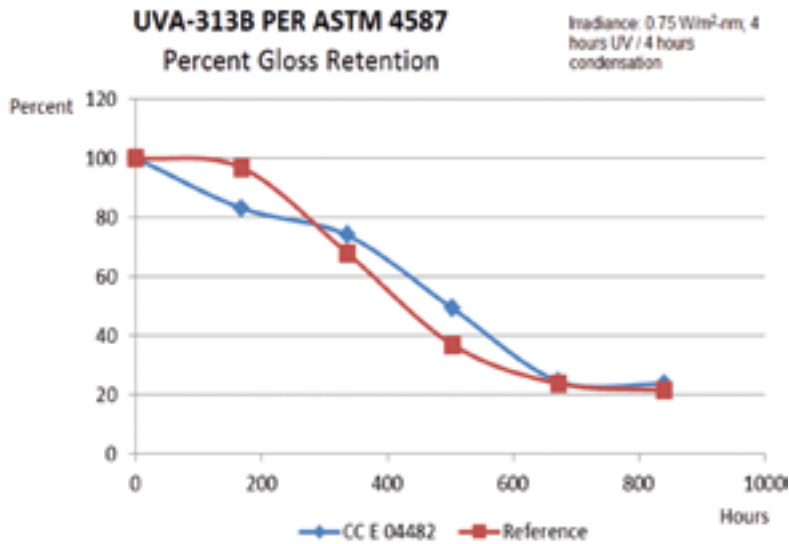
A new resin to manufacture flexible powder coating



CRYLCOAT E 04482 is a carboxylated superdurable polyester resin for use with TGIC in a 93/7 ratio to manufacture powder coatings with excellent flexibility combined with good balance of flow, surface appearance and outdoor resistance.

Value Proposition

- Excellent flexibility
- High impact resistance
- Good flow and surface appearance
- Good outdoor weathering resistance



High Gloss Formulation	Weight
CRYLCOAT® E 04482	930
Nuitang TGIC - N	70
Titanium dioxide	350
Benzoin	8
MODAFLOW Powder 6000	15

Characteristic	Range
Brookfield Viscosity @200°C mPA.s	2560
Acid Value (mg KOH/g)	~32
PE/TGIC ratio	93/7
Tg °C	~62

Technical Characteristics	Test Method	Crylcoat E 04482
Gel time @ 200 °C (sec)	PCI #6	157
Pill Flow 177 °C x 20 min (mm)	PCI #7	71
Impact resistance (min) @ 2 mils (F/R) (in/lb)	ASTM D2794	120 / 120
Gloss (60°/20°)	ASTM D523	93 / 91
Smoothness (PCI)	PCI #20	7
Distinctness of Image (DOI)	ASTM D523	93
Flexibility (Conical Mandrel) (inch)	ASTM D522	0.125
Over-bake (ΔB / ΔE)	ASTM D2244	0.25 / 0.29



- Balance of flow and appearance
- Good flexibility
- Full impact resistance
- Excellent DOI
- Excellent outdoor weatherability
- FDA 21 CFR 175-300 approvable

CRYLCOAT E 04482 available now for customers in Americas, flexible superdurable for outdoor application.

Disclaimer: allnex Group companies ('allnex') decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is adapted for any specific use, performance or result and that product and/or information do not infringe any allnex and/or third party intellectual property rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights of allnex and/or third parties remains the sole responsibility of the user.

Notice: Trademarks indicated with ®, ™ or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies.

©2018 allnex Group. All Rights Reserved.

Email: custinfo@allnex.com - Worldwide Contact Info: www.allnex.com