

EBECRYL®

Sn-free UV/EB curable resins

Product Bulletin

This product bulletin includes a selection of Allnex's Sn-free* UV/EB curable resins.

Allnex is proactively adding new resin options to its existing Sn-free product line in order to react to customer needs and to comply with emerging regulations, norms and specifications which restrict the use of organo tins and heavy metals.

Please contact your Allnex representative to learn more about our complete range of Sn-free products.

Product	Description: Key Features & Performances	Chemical Description	Viscosity, ^{***} mPa.s	Dilution	Color ^{**} , Gardner	Density, g/ml @ 25°C	Functionality
EBECRYL® 246	<ul style="list-style-type: none"> • Good abrasion resistance • Excellent flexibility and toughness • Good flexibility and adhesion • Non-yellowing • Superior scuff and abrasion resistance 	Aliphatic Urethane Acrylate	58,600 (60° C)	-	1.0	1.09	2
EBECRYL 271	<ul style="list-style-type: none"> • Excellent flexibility • Good adhesion • Used as flexibilizer 	Aliphatic Urethane Acrylate	3,560 (60°C)	-	75 APHA	1.04	2
EBECRYL 1258	<ul style="list-style-type: none"> • Excellent abrasion resistance and stain resistance • Excellent adhesion • Good heat resistance, curing, flexibility and adhesion 	Aliphatic Urethane Acrylate	7,100 (60°C)	20% HPMA	1.0	1.08	3
EBECRYL 1291	<ul style="list-style-type: none"> • Excellent scratch and abrasion resistance • High surface hardness • Outstanding gloss and chemical resistance 	Aliphatic Urethane Acrylate	1,900 (60°C)	-	75 APHA	1.16	6
EBECRYL 4859	<ul style="list-style-type: none"> • Low viscosity • Excellent hardness, and toughness 	Aliphatic Urethane Methacrylate	10,000 (25°C)	-	100 APHA	1.14	2
EBECRYL 8415	<ul style="list-style-type: none"> • Outstanding hardness • Outstanding scratch and abrasion resistance • Excellent cure response 	Aliphatic Urethane Acrylate	1,800 (60°C)	-	100 APHA	1.19	10

Product	Description: Key Features & Performances	Chemical Description	Viscosity, *** mPa.s	Dilution	Color**, Gardner	Density, g/ml @ 25°C	Functionality
EBECRYL® 8602	<ul style="list-style-type: none"> • Excellent surface hardness and chemical resistance • Excellent scratch and abrasion resistance • Hardcoat, high functionality with low curl/ shrinkage 	Aliphatic Urethane Acrylate	3,000 (60°C)	-	100 APHA	1.16	9
EBECRYL 8809	<ul style="list-style-type: none"> • Good weathering resistance • Non-yellowing • Excellent toughness 	Aliphatic Urethane Acrylate	16,000 (60°C)	5 % -EBECRYL LEO 10501	1.0	1.18	2
EBECRYL 8810	<ul style="list-style-type: none"> • Excellent toughness, flexibility • Excellent abrasion resistance 	Aliphatic Urethane Acrylate	30,000 (60°C)	-	1.0	1.16	2
EBECRYL 8811	<ul style="list-style-type: none"> • Excellent surface cure • Suitable for LED and low energy cure applications 	Aliphatic Urethane Acrylate	10,000 (60° C)	-	1.0	1.05	2

* non-intentionally added organo tin

** color: data are maximum values

*** viscosity specification is preliminary and subject to change prior to writing of final commercial specification

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