



Energy Solutions Casting Resins

Voltacast Product Overview



Energy Solutions Casting Resins

Voltacast Product Overview

Product	Characteristics	Colour	Curing Agent

PUR-Casting Resins			
Voltacast 3100	PUR-casting resin, pigmented, non abrasive filled, flexible	grey	Voltacast H131
Voltacast 3100	PUR-casting resin, pigmented, non abrasive filled, flexible	grey	Voltacast H132
Voltacast 3110	PUR-casting resin, pigmented, non abrasive filled, flexible, flame retardant, halogen free	grey	Voltacast H131
Voltacast 3110	PUR-casting resin, pigmented, non abrasive filled, flexible, flame retardant, halogen free	grey	Voltacast H132
Voltacast 3200	PUR-casting resin, pigmented, non abrasive filled, tough-hard, low processing viscosity	white / black	Voltacast H132
Voltacast 3210	PUR-casting resin, pigmented, non abrasive filled, tough-hard, flame retardant, halogen free	white	Voltacast H132
Voltacast 3220	PUR-casting resin, pigmented, tough-hard, non abrasive filled	white / black	Voltacast H131
Voltacast 3220	PUR-casting resin, pigmented, tough-hard, non abrasive filled	white / black	Voltacast H132

EP-Casting Resins			
Voltacast 3310	EP-casting resin, pigmented, non abrasive filled, flame retardant, halogen free, tough-elastic, high thermal conductivity, good resistance to various ATF-oils *)	black	Voltacast H134
Voltacast 3311	EP-casting resin, non abrasive filled, flame retardant, halogen free, elevated heat distortion temperature, high thermal conductivity, good resistance to various ATF-oils *)	light beige	Voltacast H135
Voltacast 3311	EP-casting resin, non abrasive filled, flame retardant, halogen free, tough-hard, high thermal conductivity, good resistance to various ATF-oils *)	light beige	Voltacast H136

Auxiliary Products	
Voltatex® T060	Cleaning agent for not completely cured casting resin contaminations, no hazard labeling
Voltatex® A333	Accelerator for PUR-casting resins

*) we recommend individual resistance testing with the ATF-oil to be used in every case

**) final UL recognition pending

Mixing Ratio	Viscosity DIN 53019	Pot Life	Thermal Conductivity	Volume Shrinkage	Shore Hardness	Curing Conditions	Approvals	Temperature Index
					DIN 53305			IEC 60216
Parts by weight	25 °C [mPas]	room temp. [min]	ISO 22007-2 [W/mK]	curing at room temp. [%]	Curing : 12 h at 80 °C			

100 : 30	650 - 1350	30 - 50	0.35	4.8	5 - 15 Shore D	24 h at RT 8 h at 50 °C	-	120 - 130
100 : 30	550 - 750	35 - 55	0.35	4.8	5 - 11 Shore D	24 h at RT 8 h at 50 °C	-	120 - 130
100 : 30	700 - 1400	25 - 55	0.4	4.8	15 - 25 Shore D	24 h at RT 8 h at 50 °C	UL 94 V2 (E72640)	120 - 130
100 : 30	450 - 550	35 - 65	0.4	4.8	65 - 75 Shore A	24 h at RT 8 h at 50 °C	UL 94 V2 (E72640)	120 - 130
100 : 30	300 - 600	70 - 120	0.4	4.7	74 - 87 Shore D	24 h at RT 8 h at 50 °C	-	130 - 140
100 : 20	750 - 1350	65 - 95	0.7	3	65 - 75 Shore D	24 h at RT 8 h at 50 °C	UL 94 V0 (E72640)	130 - 140
100 : 20	1600 - 2200	40 - 80	0.53	3	69 - 79 Shore D	24 h at RT 8 h at 50 °C	-	130 - 140
100 : 20	600 - 1200	55 - 95	0.53	3	65 - 75 Shore D	24 h at RT 8 h at 50 °C	-	130 - 140

100 : 14	2200 - 2600	6 - 8 h	1.6	< 1	63 - 68 Shore D	4 - 6 h at 60 °C 2 - 3 h at 80 °C	UL 94 V0 **)	> 155
100 : 7.5	2200 - 2600	70 - 110	1.25	< 1	80 - 86 Shore D	24 h at RT 2 - 3 h at 80 °C	UL 94 V0 **)	> 155
100 : 12.5	2000 - 2400	70 - 110	1.2	< 1	75 - 81 Shore D	24 h at RT 2 - 3 h at 80 °C	UL 94 V0 **)	> 155

Axalta Coating Systems Germany GmbH & Co. KG
Energy Solutions
Technical Service
Christbusch 25
D-42285 Wuppertal

Phone: +49 202 529-23 87
-24 92
+49 173 9 76 40 27

Fax: +49 202 529-28 21

www.electricalinsulation.com

