Energy Solutions Casting Resins

Product Overview

Voltacast

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Product Name	Characteristics	Typical Applications	Colour	Curing Agent	Mixing Ratio	Viscosity DIN 53019	Pot Life	Thermal Conductivity	Volume Shrinkage	Shore Hardness DIN 53305	Curing Conditions	Approvals	Temperature Index IEC 60216
					Parts by weight	25°C [mPas]	room temp. [min]	ISO 22007-2 W/mK]	Curing at room temp. [%]	Curing: 5h at 80°C			
PUR-Casting Resins, pigmented, non abrasive filled													
Voltacast 3100	Flexible	Transformers, electronics	grey	Voltacast H131	100:30	650-1350	30-50	approx. 0.35	approx. 4.8	5-15 Shore D	24h at RT[2]	-	120-130
Voltatcast 3100	Flexible	Transformers, electronics	grey	Voltacast H132	100:30	550-750	30-60	approx. 0.35	approx. 4.8	5-11 Shore D	24h at RT[2]	-	120-130
Voltacast 3110	Flexible, flame retardant, halogen free	Transformers, electronics	grey	Voltacast H131	100:30	700-1400	25-55	approx. 0.4	approx. 4.8	5-25 Shore D	24h at RT[2]	UL 94 V2 (E72640)	120-130
Voltacast 3110	Flexible, flame retardant, halogen free	Transformers, electronics	grey	Voltacast H132	100:30	450-550	35-65	approx. 0.4	approx. 4.8	45-55 Shore D	24h at RT[2]	UL 94 V2 (E72640)	120-130
Voltacast 3200	Tough-hard, low processing viscosity	Transformers, motors (stators)	white/black	Voltacast H132	100:30	300-600	70-110	approx. 0.4	approx. 4.7	70-90 Shore D	24h at RT[2]	-	130-140
Voltacast 3210	Tough-hard, flame retardant, halogen free	Transformers, motors (stators)	white	Voltacast H132	100:20	750-1350	65-95	approx. 0.7	approx. 3.0	65-95 Shore D	24h at RT[2]	UL 94 V0 (E72640)	130-140
Voltacast 3220	Tough-hard	Transformers, motors (stators)	white/black	Voltacast H132	100:20	600-1200	35-45	approx. 0.53	approx. 3.0	270-90 Shore D	24h at RT[2]	-	130-140
EP-Casting Resins, pigmented, non-abrasive filled, flame retardant, halogen free, ATF-oil resistant[1]													
Voltacast 3310	Tough-elastic, high thermal conductivity	Automotive, transformers, electronics, motors (stators)	black	Voltacast H134	100:14	2100-2700	> 180	approx. 1.6	< 1	60-70 Shore D	4-6h at 60°C[3]	UL 94 V0[4]	> 155
Voltacast 3311	Elevated heat distortion temperature, high thermal conductivity	Automotive, transformers, small motors (stators), traction	blue	Voltacast H135	100:7.5	2000-2600	70-110	approx. 1.25	< 1	80-86 Shore D	24h at RT[3]	UL 94 V0[4]	> 155
Voltacast 3311	Tough-hard, high thermal conductitivity	Automotive, transformers, large motors (stators), traction	blue	Voltacast H136	100:12.5	1800-2400	70-110	approx. 1.2	< 1	73-83 Shore D	24h at RT[3]	UL 94 V0[4]	> 155
Auxiliary Products													
Voltatex® T060	Cleaning agent for not completely cured casting resin contaminations, no hazard labeling												
Voltatex® A334	Accelerator for PUR-casting resins												

[1] We recommend individual resistance testing with the ATF-oil to be used in every case.
[2] or 5h at 80°C
[3] or 2-3h at 80°C
[4] Final UL recognition pending.

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