Energy Solutions Casting Resins

Product Overview

Voltacast

Energy Solutions - **Casting Resins**
Voltacast Product Overview

Product Name	Characteristics	Typical Applications	Colour	Curing Agent	Mixing Ratio
					Parts by weight
PUR-Casting Resins, pigmented, non abrasive filled					
Voltacast 3100	Flexible	Transformers, electronics	grey	Voltacast H131	100:30
Voltacast 3100	Flexible	Transformers, electronics	grey	Voltacast H132	100:30
Voltacast 3110	Flexible, flame retardant, halogen free	Transformers, electronics	grey	Voltacast H131	100:30
Voltacast 3110	Flexible, flame retardant, halogen free	Transformers, electronics	grey	Voltacast H132	100:30
Voltacast 3200	Tough-hard, low processing viscosity	Transformers, motors (stators)	white/black	Voltacast H132	100:30
Voltacast 3210	Tough-hard, flame retardant, halogen free	Transformers, motors (stators)	white	Voltacast H132	100:20
Voltacast 3220	Tough-hard	Transformers, motors (stators)	white/black	Voltacast H132	100:20
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
Voltacast 3311	Elevated heat distortion temperature, high thermal conductivity	Automotive, transformers, small motors (stators), traction	blue	Voltacast H135	100:7.5
Voltacast 3311	Tough-hard, high thermal conductitivity	Automotive, transformers, large motors (stators), traction	white-beige	Voltacast H136	100:12.5
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.

Viscosity DIN 53019	**Pot Life**	**Thermal Conductivity**	**Volume Shrinkage**	**Shore Hardness** DIN 53305	**Curing Conditions**	**Approvals**	**Temperature Index** IEC 60216
25°C [mPas]	room temp. [min]	ISO 22007-2 W/mK]	Curing at room temp. [%]	Curing: 5h at 80°C			
650-1350	30-50	approx. 0.35	approx. 4.8	5-15 Shore D	24h at RT[2]	-	120-130
550-750	30-60	approx. 0.35	approx. 4.8	45-55 Shore A	24h at RT[2]	-	120-130
700-1400	25-55	approx. 0.4	approx. 4.8	5-25 Shore D	24h at RT[2]	UL 94 V2 (E72640)	120-130
450-550	35-65	approx. 0.4	approx. 4.8	45-55 Shore A	24h at RT[2]	UL 94 V2 (E72640)	120-130
300-600	70-110	approx. 0.4	approx. 4.7	70-90 Shore D	24h at RT[2]	-	130-140
700-1400	65-95	approx. 0.7	approx. 3.0	60-80 Shore D	24h at RT[2]	UL 94 V0 (E72640)	130-140
1600 - 2200	55-95	approx. 0.53	approx. 3.0	70-90 Shore D	24h at RT[2]	-	130-140
2100-2700	> 180	approx. 1.6	< 1	60-70 Shore D	4-6h at 60°C[3]	UL 94 V0 (E 72640)	> 155
2000-2600	70-110	approx. 1.25	< 1	78-88 Shore D	24h at RT[3]	UL 94 V0 (E72640)	> 155
1800-2400	70-110	approx. 1.2	< 1	73-83 Shore D	24h at RT[3]	UL 94 V0 (E 72640)	> 155

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