

EPOXY INFUSION RESINS

Resin	Hardener	Mixing ratio *	Geltime**	Mixed viscosity	T _g ***	Flexion Modulus ***	Flexion Max strength ***	Flexion Elongation ***	Key benefits
1050	1053S	100 – 35	14h	251 mPa.s	54.6°C	3.08 GPa	97.2 MPa	4.3%	Very low reactivity excellent wetting properties
–	1054S	100 – 35	4h25min	308 mPa.s	64.9°C	3.18 GPa	91.1 MPa	4.2%	Excellent wetting properties
1500	1502	100 – 22	10h	268 mPa.s	140°C	3.25 GPa	130.7 MPa	5.5%	High T _g
–	1504	100 – 30	6h30min	250 mPa.s	141°C	3.23 GPa	149.3 MPa	7.5%	High T _g
1800	1802	100 – 26	1h30min	215 mPa.s	115°C	2.80 GPa	128.0 MPa	5.0%	Hot curing formulation high T _g
–	1803	100 – 30	7h	190 mPa.s	70.9°C	3.15 GPa	108.4 MPa	5.0%	Very low viscosity
–	1805	100 – 17	2h04min	250 mPa.s	119.8°C	3.10 GO	95.0 MPa	2.1%	Very low viscosity High T _g
–	1807	100 – 16	50min	273 mPa.s	95°C	2.98 GPa	116.5 MPa	6%	Fast reactivity
–	1808	100 – 38	18min	325 mPa.s	–	2.81 GPa	97.0 MPa	5.5%	Ultra fast reactivity
1800 ECO	1804 ECO	100 – 26	4h53min	258 mPa.s	94°C	3.22 GPa	93.6 MPa	3.1%	33% biobased (C/C)
HTG 160	HTG 165	100 – 18	2h20min	235 mPa.s	160°C	3.80 GPa	120.0 MPa	4.0%	High T _g
HTG 180	HTG 185	100 – 20	3h20	285 mPa.s	180°C	3.04 GPa	80.0 MPa	2.7%	Very High T _g
HTG 200	HTG 205	100 – 22	4h40	375 mPa.s	200°C	3.14 GPa	81.5 MPa	2.7%	Very High T _g
HTG 240	HTG 245	100 – 24	10h15min	550 mPa.s	239°C	3.56 GPa	89.2 MPa	2.9 %	Very High T _g

* by weight
** 70ml, 4 cm
*** fully cured pure resin ISO 178

FILLERS

Resin	Hardener	Technology	Max thickness	Typical use	Key benefits
8010W	8014W	water based epoxy	1-2 mm	Plugs, with polystyrene	No solvent Sprayable
8050	8058	epoxy	2-3 cm	Profiling & fairing	Fast reactivity Easy to mix and sand
8050L	8058	epoxy	2-3 cm	Large profiling & fairing	Easy to mix and sand

GELCOATS

Resin	Hardener	Technology	Open time	Key benefits
7060 (S) CLEAR	7064	epoxy	few hours	Good UV resistance Clear or colored (RAL chart)
–	7067	epoxy	few hours	Fast reactivity Clear or colored (RAL chart)
7090	7091	epoxy	24-48 hours	High T _g (140°C) Clear or colored (RAL chart)
4030W THIX	4034W	water based epoxy	14 days	No solvent NO VOC
2010 FGCS	2014 FGCT	epoxy	few hours	Auto-extinguible (IMO SOLAS 2000 and M2)
VI 5090	catalyzed	vinylester	21 days	UV stable Clear or colored (RAL chart)