

Biothane - Optical clear resins

Resin Biothane	Hardener	Description	Mixing ratio	Colour	Hardness	Density	Viscosity	Pot-life	Shrink	Field of application
2 MD 1750	M 330 M 331/M 333	Tough-hard, transparent casting resin, UV-stable, highly abrasion-resistant	depending on mixture see data sheet	transparent, crystal clear	40 - 75 D	1.1	1800-2500	RSSS - XXXL	<0,05% **	Insensitive to moisture, for wall thicknesses from 1 to 2500mm. LED coating
2 MD 1760	M 330 M 331/M 333	Tough-hard, transparent casting resin, UV-stable, highly abrasion-resistant	depending on mixture see data sheet	transparent crystal clear	65 - 82 D	1.1	1200-1600	RSSS - XXXL	<0,05% **	Insensitive to moisture, for wall thicknesses from 1 to 2500mm. LED coating
2 MD 1775	M 330 M 333	Tough transparent casting resin with high UV stability	1 : 1,5	crystal clear	75 - 80 D	1.05	1300-1600	RSS - XXL	<0,1% **	Prototype parts with wall thicknesses of 1 à 500mm. Encapsulage LED potting
2 MD 1785	M 330 M 331/M 333	Very hard transparent casting resin, UV-stable, polishable	1 : 2,5	crystal clear	84 - 85 D	1.1	1900-2300	RSSS - XXXL	<0,1% **	Hard prototype parts, with wall thicknesses of 1 à 500mm. LED coating
2 MD 1770	M 330	Transparent, elastic vacuum casting resin	depending on mixture, see data sheet	transparent, crystal clear	40 - 80 A	1.1	1000-1400	RSS - XXL	<0,1%	Elastic positive and negative models, LED potting

Electro Casting Resins

Resin Biothane	Hardener	Description	Mixing ratio	Colour	Hardness	Density	Viscosity	Pot-life	Shrink	Field of application
2 MD 207 E	M 330 M 333	Hard, high temperature resistance, X ray stable	100 : 78	old white	80 - 83 D	1,2 - 1,3	1 800 - 2 500	35 - 45'	<0,1%**	Casting of transformers and high-voltage components
2 MD 2140	M 330, M 333,	Elastic casting resin, good insulation values, can be used up to 140°C	2 : 1 to 4 : 1 see data sheet	beige	95 - 35 A	1,05 - 1,1	1 000 -1 600	30 -35'	<0,1%**	Cable potting compound, potting of coils, transformers etc., water displacing
2 MD 2170 - 200	M 330, M 333,	Adjustable from elastic to hard, high thermal conductivity, good adhesion to plastics.	2 : 1 to 4 : 1 see data sheet	old white	60 D - 80 A	1,25 - 1,3	1 500 -2 400	25 - 30'	<0,1%**	Casting in coils, transformers, electromagnets, dimmers, etc.

Potting and laminating resins

Resin Biothane	Hardener	Description	Mixing ratio	Colour	Hardness	Density	Viscosity	Pot-life	Shrink	Field of application
2 MD 600 T	M 330 T	Hard laminating resin, non-flowing	1 : 1,65	white	82 - 83 D	1,1				Production of parts, must be post-hardened under heat.
2 MD 611 LT	M 75-25	Hard laminating resin, more flowable than with hardener 600 T	1 : 1,6	white	82 - 83 D	1,1	Pasty			Production of parts, centrifugal resin.
2 MD 611	M 330 M333	Hard laminating and potting resin. Liquid	1 : 1,5	opal	82 -83 D	1,1	1200-1500			Production of parts, centrifugal resin.

Biodur - Hardener

	Hardener	Description		Colour			Viscosity			Field of application
Biodur	M 330	Standard hardener		transparent			1800-2200			HDI
Biodur	M 330T	Thixo hardener		white			Paste			HDI
Biodur	M 75-25	Medium Thixo Hardener		white			Pasty			HDI
Biodur	M 331	Thinner than M330, but faster		transparent			500			HDI
Biodur	M 333	More temperature resistant than M 330		transparent			1200			HDI/IPDI
Biodur	M 345	Special hardener		brown			50			MDI prép.