

RESOLTHANE

Polyurethane systems

RESOLTECH offers a range of high performance polyurethane formulations to complement the selection of epoxy products.

The inherent properties of the Resolthane systems make them the optimal choice for your next project, whether as adhesives, elastomers, foams, RIM or casting compounds.

Polyurethanes have become part of our daily life. They provide the strength and quality finish of car parts (inside and outside), electronics, medical equipment, furnitures, building components, agricultural and industrial machinery, appliances, sports goods, prototypes and much more.

Below is a short list of the RESOLTHANE formulations available.



CASTING SYSTEMS

REF MIXING RATIO	VISCO	GELTIME MN	SHORE HARD.	DENSITY	TG/°C	APPLICATIONS
PC 268 A/B 100A + 100B (mix.ratio)	100	4	72-76D	1.07	80	Prototyping, models, low viscosity.
PC 269 A/B 100A + 100B	100	7	72-76D	1.07	90	Prototyping, RIM tooling.
PC 271 A/B 100A + 100B	130	4.5	72-76D	1.07	85	PP type prototypes, Vacuum casting.
PC 272 A/B 100A + 100B	200	3	72-76D	1.10	100	Prototyping, RIM tooling, heat resistant.
PC 281 A/B 100A + 100B	1900	8	78-80D	1.50	85	Tooling, moulds, CNC milling.

FOAM SLABS

F-80	Foam slabs	80kg density
F-150	Foam slabs	150kg density
F-160	Foam slabs	160kg density
F-200	Foam slabs	200kg density
F-300	Foam slabs	300kg density
F-500	Foam slabs	500kg density

ELASTOMERIC RESIN SYSTEMS

REF MIXING RATIO	VISCO	GELTIME MN	SHORE D HARD.	DENSITY	TENS. STR.	APPLICATIONS
EL 155 A/B 100A + 15 B	2200	20	55-59	1.07	4	Mould & model making. Low cost.
EL 175 A/B 100A + 31B	700	4.5	75	1.07	7	For locking and protect- ing components.
EL 182 A/B 100A + 45B	1000	2	82	1.07	9.5	High abrasion resistance. Polyether-polyester polyol.
EL 195 A/B 100A + 50B	900	1.25	95	1.10	14	High hydrolysis resis- tance.
EL 260 A/B 100A + 100B	1100	7	60	1.50	20	Semi-rigid & hydropho- bic. For locking parts.

RIM SYSTEMS

REF MIXING RATIO	VISCO	GELTIME SEC	SHORE HARD.	FLEX. MOD	TG/°C	APPLICATIONS
RM 265 A/B 100A/62B	800	60	70D	900	85	CAR BUMPERS HIGH IMPACT RES.
RM277AN/293B 100A/80B	1800	70	75D	1100	100	LOW VOLUME PRODUC- TION.
RM 280 A/B 100A/80B	700	50	80D	1500	95	FAST RELEASE SMALL PRODUCTIONS
RM 282 A/B 100A/100B	600	70	82D	1800	95	HIGH MODULUS CARS, MEDICAL, ETC.
RM 287 A/B 100A/85B	800	160/ 240	82D	1700	90	CAN BE APPLIED MANU- ALLY.
RM 293 A/B 100A/100B	1600	60	80D	1650	95	HIGH PERFORMANCE AUTOMOTIVE

KEYS: Viscosity in mPas at 25°C. FLEX.MOD = flexural modulus. TENS.STR = tensile strength.
SHORE.HARD = shore hardness. Gelttime given in seconds or minutes. Values in MPa.

The above list of products and services is not exhaustive. Please check with the sales department should you be unable to find the product or service you need. Resoltech reserves the right to amend this list without prior notice.

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TECHNOTES



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