

Polyurethanes

SUPRASEC® MDI building blocks

For Adhesives, Coatings and Elastomers

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Product Type		Product Name	NCO % (± 0.5%)	Viscosity @ 25° C mPa.s	Average functionality	Formulation notes
Polymeric MDI	High functionality products	SUPRASEC® 2085	30.5	625	2.9	Polymeric MDI grade with higher-than-average functionality yielding early crosslinking for fast cure systems.
		SUPRASEC® 2211	31.0	225	2.7	Reactivity modified polymeric MDI used in systems where a slower cure speed is needed.
		SUPRASEC® 5025	31.0	210	2.7	Standard polymeric MDI grade, designed for use in one- and two-component systems.
	Mid functionality products	SUPRASEC® 2015	27.4	160	2.2	Product with improved compatibility and enhanced adhesion.
		SUPRASEC® 2030	28.6	175	2.3	Product designed for use in applications where good adhesive properties are required, with a wide compatibility.
		SUPRASEC® 2050	30.6	130	2.5	Product designed for use in high performance elastomeric applications.
		SUPRASEC® 2214	32.0	30	2.2	Low viscosity product giving good penetration and wetting.
		SUPRASEC® 2330	32.1	30	2.3	Medium high functionality and low viscosity product recommended for use in the manufacture of adhesives and coatings.
		SUPRASEC® 2447	32.6	25	2.2	Product giving low viscosity, good penetration & wetting, excellent low temperature stability and wide compatibility with reactants.
		SUPRASEC® 2487	31.3	90	2.5	Product designed for use as crosslinker for adhesives and coatings, with good wetting, enhanced adhesion and excellent flow properties.
		SUPRASEC® 2496	31.3	90	2.5	Product designed for use in coatings, provides enhanced adhesion, low temperature stability and good flow properties.
		SUPRASEC® 2651	32.2	30	2.3	Low viscosity, medium functionality product with good penetration and wetting properties.
Pure based products (*at 50°C)		SUPRASEC® 1306	33.5	5*	2.0	Product supplied ad frozen solid in drums or in liquid form in bulk. Used in the production of adhesives, sealants and prepolymers.
		SUPRASEC® 2004	32.8	12	2.0	Multi-purpose product used in the production of adhesives and coatings.
		SUPRASEC® 2020	29.5	40	2.1	Uretonimine-modified pure MDI with lower viscosity.
		SUPRASEC® 2385	30.9	25	2.0	Uretonimine-modified pure variant with enhanced wetting properties.
		SUPRASEC® 2386	30.2	40	2.0	Uretonimine-modified MDI with improved miscibility.
		SUPRASEC® 2388	29.5	35	2.1	Uretonimine-modified pure MDI with improved stability at low temperature.
		SUPRASEC® 4102	29.7	25	2.0	Uretonimine-modified pure MDI with enhanced miscibility and low temperature stability.
		SUPRASEC® 4104	31.5	20	2.1	Uretonimine-modified pure MDI which can be stored at 20° C.
Prepolymers	Mid functionality products	SUPRASEC® 2026	21.4	500	2.5	Prepolymer for use in high performance two-component adhesive systems.
		SUPRASEC® 2060	16.0	2750	2.5	Multi-purpose product with increased reactivity for use in one-component systems.
		SUPRASEC® 2202	7.9	6900	2.2	Hydrophilic product for use in a wide range of one-component systems.
		SUPRASEC® 2216	25.6	120	2.2	Prepolymer with good cold storage stability.
		SUPRASEC® 2234	16.0	2500	2.5	Multi-purpose product for use in one-component systems.
		SUPRASEC® 2246	15.0	3400	2.2	Multi-purpose product for use in one-component long open time systems.
		SUPRASEC® 4130	14.9	2350	2.3	Multi-purpose product with increased reactivity for use in one-component systems.
		SUPRASEC® 4160	14.9	2350	2.3	Multi-purpose product for use in one-component systems with low reactivity.
	Low functionality products	SUPRASEC® 1007	6.8	5500	2.1	Product for use in a wide range of one-component systems.
		SUPRASEC® 2008	10.2	1800	2.0	Product with small viscosity variation over a wide temperature range.
		SUPRASEC® 2010	26.3	140	2.1	Product used in the production of high quality cast elastomers.
		SUPRASEC® 2018	26.0	170	2.1	Product used in the production of high quality cast elastomers with excellent low temperature stability.
		SUPRASEC® 2021	23.2	975	2.0	Product used in cast polyurethanes with excellent mechanical properties.
		SUPRASEC® 2029	24.5	500	2.1	Uretonimine-modified pure MDI of lower NCO with improved stability at low temperature.
		SUPRASEC® 2054	15.0	775	2.0	Low functional prepolymer for polyurea systems with excellent tear strength and good e-modulus.
		SUPRASEC® 2067	19.3	610	2.1	Higher functional prepolymer for hard polyurea systems.
		SUPRASEC® 2144	15.3	1850	2.1	Multi-purpose product for use in one-component long open time systems.
		SUPRASEC® 2217	22.1	375	2.1	Prepolymer with good cold storage stability for production of elastomers.
		SUPRASEC® 2243	14.7	1650	2.1	Product used in one-component systems requiring a broad processing window.
		SUPRASEC® 2244	15.3	1850	2.1	Multi-purpose product with increased reactivity and improved through-cure and temperature resistance.
		SUPRASEC® 2433	19.0	330	2.0	Polyether prepolymer providing good compatibility with polyester polyols.
		SUPRASEC® 2444	20.2	950	2.0	Product used in the production of high quality elastomers that require excellent resilience, fatigue properties and hydrolysis resistance.
		SUPRASEC® 2445	16.0	800	2.0	Multi-purpose product with increased reactivity, improved through-cure and temperature resistance, with improved liquidity and yields in softer elastomers.
		SUPRASEC® 2733	19.0	300	2.0	Product designed for use in hot cast elastomers, with good polyether and polyester polyols compatibility.
		SUPRASEC® 2783	19.0	1000	2.0	Product designed for use in high performance elastomers with excellent dimensional stability.
		SUPRASEC® 2980	19.0	1100	2.0	Low functional, high performance prepolymer with improved adhesion properties.
		SUPRASEC® 2981	19.0	1100	2.0	Polyester prepolymer with excellent solvent and oil resistance and improved mechanical and dynamical properties.
		SUPRASEC® 2982	16.0	2750	2.0	Product designed for use in high performance elastomers with excellent dynamic properties.
	Emulsifiable products	SUPRASEC® 1042	29.9	275	2.7	Emulsifiable polymeric MDI used as crosslinker in latex-based systems and waterborne primers.
		SUPRASEC® 2405	29.3	33	2.1	Emulsifiable MDI with low functionality and low viscosity used as crosslinker in latex-based systems and waterborne primers.