RESINS – UV DUAL CURE

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POLYGON

PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
OH-functional dual-cure UV resins - NEW		
SUO-1611H	OH- & acrylate functional resin with good **adhesion** and **chemical resistance**. For crosslinking with UV and isocyanates, for electronic applications, adhesives and optical film coatings (displays).	- OH-functional, aliphatic urethane-acrylate - mono-acrylate & mono OH-functional - viscosity: 10‘000-20'000 mPas (25°C) - Mw: 4‘000 - OH-value: 49
SUO-1621H	OH- & acrylate functional resin with good adhesion and **higher flexibility**. For crosslinking with UV and isocyanates, for electronic applications, adhesives/sealants and optical film coatings (e.g.: display films).	- OH-functional, aliphatic urethane-acrylate - mono-acrylate & mono OH-functional - viscosity: 90‘000-110'000 mPas (25°C) - Mw: 8‘700 - OH-value: 27
Epoxy-functional dual-cure UV resins - NEW		
SEA-H187AI	**Bisphenol-A based.** Epoxy- & acrylate functional resins with excellent **mechanical properties**, good **chemical resistance** and **adhesion**. For crosslinking with UV and e.g. amine-, amide- or anhydride-hardeners, for electronic applications, adhesives and sealants.	- viscosity: 2’000-6’000 mPas (60°C) - epoxy-functionality: 1 - acrylate-functionality: 2
SEA-A130H		- viscosity: 15’000-25’000 mPas (40°C) - epoxy-functionality: 0.6 - acrylate-functionality: 1.4
SEA-A150H		- viscosity: 7’000-12’000 mPas (40°C) - epoxy-functionality: 1 - acrylate-functionality: 1
SEA-A170H		- viscosity: 2’000-5’000 mPas (40°C) - epoxy-functionality: 1.4 - acrylate-functionality: 0.6

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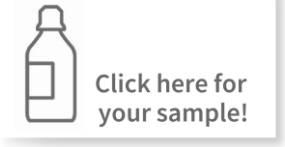

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PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SEA-F130H	**Bisphenol-F based.**	- viscosity: 7'000-11'000 mPas (40°C) - epoxy-functionality: 0.6 - acrylate-functionality: 1.4
SEA-F150H	Epoxy- & acrylate functional resins with excellent **mechanical properties**, good **chemical resistance** and **adhesion**.	- viscosity: 2'500-5'500 mPas (40°C) - epoxy-functionality: 1 - acrylate-functionality: 1
SEA-F170H	For crosslinking with UV and e.g. amine-, amide-, anhydride- or imidazole-hardeners, for electronic applications, adhesives and sealants.	- viscosity: 500-2'500 mPas (40°C) - epoxy-functionality: 1.4 - acrylate-functionality: 0.6

NCO-functional dual-cure UV resins - NEW

SUO-1811N	**HARD-Type** Isocyanat (NCO) - funktionelle, aliphatische Urethanacrylate mit unterschiedlichem NCO-Gehalt, für gute **Reaktivität**, **Chemikalienbeständigkeit**, **Härte** und **Haftung** auf Kunststoffen, Metallen und Harthölzer. Für die Vernetzung mit UV- und z.B. Alkoholen, Aminen, Säuren, Thiolen oder Feuchtigkeit (Tack-frei nach der UV-Vernetzung).	- viscosity: 4'500-9'000 mPas (25°C) - NCO-functionality: 2 (17.9% NCO-content) - acrylate-functionality: 1
SUO-1831N		- viscosity: 18'000-28'000 mPas (25°C) - NCO-functionality: 2 (11.8% NCO- content) - acrylate-functionality: 1
SUO-1841N		- viscosity: 55'000-75'000 mPas (25°C) - NCO-functionality: 1 (8% NCO- content) - acrylate-functionality: 1.5
SUO-1861N		- viscosity: 10'000-20'000 mPas (25°C) - NCO-functionality: 2 (8.2% NCO- content) - acrylate-functionality: 1
SUO-1881N		- viscosity: 10'000-20'000 mPas (25°C) - NCO-functionality: 2 (13.1% NCO- content) - acrylate-functionality: 1
SUO-1881NH40		SUO-1881N + 40% HDDA

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PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-1821N	**SOFT-Type** Isocyanate (NCO) - functional, aliphatic urethane acrylates with varying NCO-content, for good reactivity, flexibility and adhesion to plastics, metals and hardwoods. For crosslinking with UV and e.g. alcohols, amines, acids, thiols or moisture (tack-free after UV crosslinking).	- viscosity: 30'000-50'000 mPas (60°C) - NCO-functionality: 1 (2.6% NCO- content) - acrylate-functionality: 1
SUO-2126N		- viscosity: 20'000-30'000 mPas (25°C) - NCO-functionality: 1 (0.66% NCO- content) - acrylate-functionality: 1
SUO-7301N		- viscosity: 5'000-9'000 mPas (25°C) - NCO-functionality: 1 (3.25% NCO- content) - acrylate-functionality: 2
SUO-8130N **NEW**	**Polybutadiene-modified**, NCO-functional, aliphatic urethane-acrylate. For crosslinking with UV and e.g. alcohols, amines, acids, thiols or moisture (tack-free after UV crosslinking).	- hydrophobic properties - lowering water-vapor transmission rate (WVTR) - stable to hydrolysis - electrically insulating properties - viscosity: 20'000-30'000 mPas (60°C) - 1.43% NCO-content