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PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
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Fluorine- and silicone-modified actylates (low RI)

SFA-001	UV-curable, fluoroacrylate , reactive monomer / diluent to incorporate other SFA-type resins (for better compatibility).	<ul style="list-style-type: none"> - mono-functional - viscosity: 20 mPas (25°C) - low RI: 1.351
SFA-335	UV-curable, fluorinated urethane-acrylate for optical applications and surface-modifications.	<ul style="list-style-type: none"> - 2-functional - viscosity: 450 mPas (25°C) - very low RI: 1.334
SFA-380		<ul style="list-style-type: none"> - 2-functional - viscosity: 10'000 mPas (60°C) - very low RI: 1.378
SFA-420	UV-curable, fluorinated urethane-acrylate for best anti-fingerprint and anti-graffiti and high-performance coatings, good chemical resistance.	<ul style="list-style-type: none"> - 6-functional - viscosity: 40'000 mPas (60°C) - RI: 1.419
SFA-480		<ul style="list-style-type: none"> - 6-functional - viscosity: 12'000 mPas (60°C) - RI: 1.478
SUO-S3000	UV-curable, silicone-modified , aliphatic urethane-acrylate for high-slip coatings, anti-fingerprint, anti-graffiti and release coatings.	<ul style="list-style-type: none"> - 2-functional - viscosity: 25'000 mPas - good temperature resistance
SUO-S600NM	UV-curable, silicone-modified , aliphatic urethane-acrylate for anti-graffiti, higher slip and easy-to-clean effects; with better compatibility.	<ul style="list-style-type: none"> - 6-functional - viscosity: 12'000 mPas (50°C) - best slip-effect



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PRODUCTNAME

APPLICATIONS

SPECIAL FEATURES

SOFT-type urethane acrylates

SUO-2371	UV-curable, aliphatic urethane acrylate with good adhesion and flexibility for coatings and paints.	- mono-functional - viscosity: 40'000 mPas (25°C) - low Tg: -50°C
SUO-2126	UV-curable, aliphatic urethane acrylate with good adhesion , flexibility and low shrink for coatings and paints.	- mono-functional - viscosity: 15'000 mPas (25°C) - low Tg: -52°C
SUO-210	UV-curable, aliphatic urethane acrylate with good adhesion, very good flexibility and elasticity/toughness .	- 2-functional - viscosity: 9'000 mPas (25°C) - Tg: 12°C
SUO-1020NI	UV-curable, polycarbonate-polyol based urethane acrylate with good transparency for display/film coatings, industrial coatings and paints with good chemical and heat resistance .	- 2-functional - viscosity: 10'000 mPas (60°C) - Tg: 50°C
SUO-1020NITF NEW	Tin-free version of SUO-1020NI.	
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings.	- 2-functional - viscosity: 15'000 mPas (25°C) - low Tg: -50°C, elastomeric
SUO-3110H20	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks, film coatings and adhesives.	- 2-functional, diluted with 20% HDDA - viscosity: 45'000 mPas (25°C) - high elongation
SUO-3110B60		- 2-functional, diluted with 40% Butylacetate - low viscosity: 500 mPas (25°C), - high elongation
... FOR MORE SOFT-TYPES, SEEL ALSO UNDER "SUPER FLEXIBLE UV-RESINS" ...		



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PRODUCTNAME

APPLICATIONS

SPECIAL FEATURES

HARD-type urethane acrylates

SUO-7620	UV-curable, aliphatic urethane-acrylate, well balanced flexible and hard urethane acrylate for scratch resistant surface coatings (good adhesion on PET, PMMA and PC).	- 6-functional - viscosity: 25'000 mPas at 25°C (750 mPas, 60°C) - Tg: 60°C
SUO-7620TF	Tin-free version of SUO-7620.	
SUO-7630	UV-curable, aliphatic urethane-acrylate, well balanced flexible and hard urethane acrylate for scratch resistant hard surface coatings, slightly lower Mw compared to SUO-7620 thus slightly less flexible (good adhesion on PET, PMMA and PC).	- 6-functional - viscosity: 6'000 mPas (50°C) - Tg: 55°C
SUO-7640	UV-curable, aliphatic urethane-acrylate, high hardness (good adhesion on PET, PMMA and PC).	- 6-functional - viscosity: 6'000 mPas (50°C) - Tg: 80°C
SUO-7650	UV-curable, aliphatic urethane-acrylate, for hard coatings with high gloss (good adhesion on PET, PMMA and PC).	- 6-functional - viscosity: 12'000 mPas (50°C) - Tg: 88°C
SUO-7690	UV-curable, aliphatic urethane acrylate, for hard coatings and reactivity boost . Low shrinkage, good solvent resistance , high abrasion resistance and good adhesion to PET, PMMA and PC. Also used for scratch resistant soft-touch coatings (when pre-cured with UV-excimer lamp).	- 6-functional - viscosity: 50'000 mPas (25°C) - Tg: 49°C
SUO-1206H20	UV-curable, aliphatic urethane-acrylate, improved flexibility and chemical resistance, for paints, special coatings and for film coatings (good adhesion on PET, PMMA and PC).	- 6-functional, diluted with 20% HDDA - viscosity: 70'000 mPas (50°C) - Tg: 80°C

RESINS - UV-CURING



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PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-7910	UV-curable, aliphatic urethane-acrylate, high hardness , good scratch- and chemical resistance , also used as reactivity-booster (good adhesion on PET, PMMA and PC).	- 9-functional - viscosity: 9'000 mPas (60°C) - Tg: 87°C
SUO-7920	UV-curable, aliphatic urethane-acrylate, high hardness, good scratch resistance and heat resistance, also used as reactivity-booster with good temperature resistance (good adhesion on PET, PMMA and PC).	- 9-functional - viscosity: 55'000 mPas (25°C)
SUO-7100LC	UV-curable, aliphatic urethane-acrylate, excellent hardness, scratch resistance with still some flexibility (good adhesion on PET, PMMA and PC).	- 10-functional - viscosity: 10'000 mPas (50°C)
SUO-7100LV	UV-curable, aliphatic urethane-acrylate, for hard surface coatings with very good scratch and chemical resistance (good adhesion on PET, PMMA and PC), lower viscosity compared to SUO-7100LC.	- 10-functional - viscosity: 6'000 mPas (50°C) - Tg: 50°C
SUO-1500T NEW	UV-curable, aliphatic urethane acrylate, for hard coatings and reactivity boost . Low shrinkage, good solvent resistance, high abrasion resistance and good adhesion to PET, PMMA and PC.	- 15-functional - viscosity: 9'000 mPas (60°C) - Tg: 40°C
SUO-1500E NEW	UV-curable, aliphatic urethane acrylate, for hard coatings and reactivity boost . Low shrinkage, good solvent resistance, high abrasion resistance and good adhesion to PET, PMMA and PC. Also used for scratch resistant soft-touch coatings (when pre-cured with UV-excimer lamp). Slightly higher elongation compared to SUO-1500T.	- 15-functional - viscosity: 25'000 mPas (50°C) - Tg: 46°C
... ASK FOR MORE TIN-FREE VERSIONS IF NEEDED ...		



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PRODUCTNAME

APPLICATIONS

SPECIAL FEATURES

Polybutadiene modified urethane acrylates

PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
SUO-H8155	UV-curable, hydrogenated polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), non-yellowing, with good hydrolytic stability, transparency and adhesion, for UV-sealants, pressure sensitive adhesives and optical clear adhesives (colorless appearance), very good glass/glass and PET/PET adhesion.	<ul style="list-style-type: none"> - colorless appearance (hydrogenated polybutadiene-type) - mono-functional - viscosity: 30'000 mPas (60°C) - low Tg: -20°C
SUO-H8130		<ul style="list-style-type: none"> - colorless appearance (hydrogenated polybutadiene-type) - 2-functional - viscosity: 45'000 mPas (65°C) - low Tg: -36°C
SUO-8130	UV-curable, polybutadiene based, aliphatic urethane-acrylate for barrier-coatings (water-damp, solvents, acids, alkalines), with good hydrolytic stability, transparency, good electrical insulation properties, thermic stability and adhesion, for pressure sensitive adhesives , optical clear adhesives and industrial adhesives (slightly yellow appearance).	<ul style="list-style-type: none"> - slightly yellow appearance (polybutadiene-type) - 2-functional - viscosity: 25'000 mPas (60°C) - low Tg: -32°C
SUO-H8628		<ul style="list-style-type: none"> - colorless appearance (hydrogenated polybutadiene-type) - 2-functional - viscosity: 30'000 mPas (25°C) - low Tg: -38°C
SUO-8628		<ul style="list-style-type: none"> - slightly yellow appearance (polybutadiene-type) - 2-functional - viscosity: 18'000 mPas (25°C) - low Tg: -34°C



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APPLICATIONS

SPECIAL FEATURES

Self-recovery (self-healing) and soft feel/touch resins

UA-222	UV-curable, self-recovery (self-healing) , aliphatic urethane acrylate for micro-scratches (1/10 mm), with good adhesion to metals, glass and plastics, remarkable soft-feel / soft-touch effect (even with low coating thickness).	- aromatic urethane acrylate - 2-functional - viscosity: 6'500 mPas (25°C) - Tg: 3°C
SUO-7301		- aliphatic urethane acrylate - 2-functional - viscosity: 7'500 mPas (25°C) - Tg: 19°C
SUO-4130	UV-curable, aliphatic urethane acrylate, with high elongation , soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics.	- 2-functional - viscosity: 30'000 mPas (60°C) - low Tg: -25°C
SUO-4130TF NEW	Tin-free version of SUO-4130.	
SUO-3110H20	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect, good adhesion and good elongation, for paints, inks, film coatings and adhesives.	- 2-functional, diluted with 20% HDDA - viscosity: 45'000 mPas (25°C)
SUO-3110B60		- 2-functional, diluted with 40% Butylacetate - viscosity: 500 mPas (25°C)
SUO-3213P70	UV-curable, aliphatic urethane acrylate with excellent elastic self-recovery (self-healing) , good adhesion and good elongation, for soft-feel paints/inks, film coatings and adhesives.	- 2-functional, diluted with 30% PGMEA (propyleneglycol-monomethylether-acetate) - viscosity: 20'000 mPas (50°C)
SUO-300	UV-curable, self-healing/self-recovery , aliphatic urethane acrylate for micro-scratches (µm), very good adhesion to metals, glass and plastics, can also be added as adhesion promoter to existing formulations.	- 3-functional - viscosity: 40'000 mPas (25°C) - Tg: 7°C



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APPLICATIONS

SPECIAL FEATURES

Super flexible urethane acrylates

SUO-2371	UV-curable, super flexible , aliphatic urethane acrylate with very low Tg , and very good adhesion, for special coatings and adhesives.	- mono-functional - viscosity: 50'000 mPas (25°C) - low Tg: -50°C - elongation: 350%
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings.	- 2-functional - viscosity: 15'000 mPas (25°C) - low Tg: -50°C - elastomeric
SUO-9103E10	UV-curable, super flexible , aliphatic urethane acrylate with very low Tg , for special coatings and adhesives. With a very high elongation of >1'000 % .	- 2-functional, diluted with 10% 2-EHA - viscosity: 25'000 mPas (60°C) - low Tg: -56°C
SUO-9103I20		- 2-functional, diluted with 20% IBOA - viscosity: 27'000 mPas (60°C) - low Tg: -54°C
SUO-H7000	UV-curable, highly flexible , aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing. High elongation.	- 2-functional - viscosity: 50'000 mPas (25°C) - low Tg: -55°C
SUO-M2000	UV-curable, super flexible , aliphatic urethane acrylate with good adhesion on glass even when exposed to humidity. High elongation.	- 2-functional - viscosity: 30'000 mPas (25°C) - low Tg: -53°C
SUO-3110B60	UV-curable, polyether-polyol based urethane acrylate with (rubber-like) soft-feel effect and good adhesion for paints, inks, film coatings and adhesives. High elongation.	- 2-functional, diluted with 20% HDDA - viscosity: 45'000 mPas (25°C)
SUO-3110H20		- 2-functional, diluted with 40% Butylacetate - viscosity: 500 mPas (25°C)



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APPLICATIONS

SPECIAL FEATURES

Adhesion resins and additives

SAM-C100 ADDITIVE	UV-curable additive, carboxylic-acid based adhesion promoter for very good adhesion on metals and inorganic substrates (lower acid value and higher dosage compared to SAM-HS100).	- mono-functional - viscosity: 4'500 mPas (25°C) - acid value: 200
SAM-HS100 ADDITIVE	UV-curable additive, phosphoric-acid based adhesion promoter for very good adhesion on metals and inorganic substrates (higher acid value and lower dosage compared to SAM-C100).	- 1,5-functional - viscosity: 6'500 mPas (25°C) - acid value: 300
SUO-2172	UV-curable, polyether-polyol based urethane acrylate with good adhesion, reactivity and levelling for adhesives, display/film coatings.	- 2-functional - viscosity: 15'000 mPas (25°C) - very low Tg: -50°C, elastomeric
SUO-4130	UV-curable, aliphatic urethane acrylate, with high elongation , soft-feel / soft-touch (rubber-type) and very good adhesion to metals, glass and plastics.	- 2-functional - viscosity: 30'000 mPas (60°C) - Tg: -25°C
SUO-4130TF	Tin-free version of SUO-4130.	
SUO-9103E10	UV-curable, super flexible , aliphatic urethane acrylate with very low Tg , for special coatings and adhesives.	- 2-functional, diluted with 10% 2-EHA - viscosity: 25'000 mPas (60°C) - very low Tg: -56°C, elongation: >1'000%
SUO-H7000	UV-curable, highly flexible , aliphatic urethane acrylate, with good adhesion on plastics and films, non-yellowing .	- 2-functional - viscosity: 50'000 mPas (25°C) - very low Tg: -55°C, high elongation
SUO-300	UV-curable, self-healing/self-recovery, aliphatic urethane acrylate for micro-scratches (μm), very good adhesion to metals, glass and plastics, can also be added as adhesion promoter to existing formulations.	- 3-functional - viscosity: 40'000 mPas (25°C) - Tg = 7°C



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SPECIAL FEATURES

Epoxy acrylates

SEA-Z250	Bisphenol-Z based epoxy acrylate with excellent heat resistance, hardness and chemical resistance for electronic coatings, adhesives and industrial paints.	<ul style="list-style-type: none"> - 2-functional - viscosity: 30'000 mPas (60°C) - Tg: 49 °C
SEA-H212 NEW	Hydrogenated BPA epoxy acrylate. Good weatherability, good adhesion for industrial coatings, inks, adhesives, 3D-printing, ...	<ul style="list-style-type: none"> - 2-functional - viscosity: 2'900 mPas (60°C) - Tg: 92°C
SEA-167BF BIO-BASED NEW	Bio-based epoxy acrylate. Isosorbide-based structure (derived from sugarcanes). Soluble in water.	<ul style="list-style-type: none"> - BPA - free - bio-based content: 70% - 2-functional - viscosity: 4'000 mPas (60°C)