

Product portfolio – Super Engineering Plastics

Product	Properties <small>*detailed information available</small>	Applications (examples)	Producer	Service Eckskclusive GmbH
GLAMIDE® GF-NYLON (PA6, PA66, MXD6 Nylon, 6T Nylon)	Metal replacement and lightweight construction; filled up to 70% with minerals and / or glass fibers; modulus of elasticity 28 GPa; flexural strength 520 MPa; water absorption 0.6%; impact strength 38 kJ/m ² .	Metal replacement in the automotive industry, e.g. exterior mirror bases, ventilation nozzles, consoles.	Toyobo Co., LTD.	Materials consulting and Sales via Sumitomo Corporation Europe Limited
VYLOAMIDE® (PA11.6T + 11.10T) + VYLOPET® (PET, PBT)	Metal replacement and lightweight construction; melting point 315°C; dimensional stability + low water absorption, especially for technical parts. Reinforced PET or PBT; high heat resistance, high stiffness and high surface quality.	Air vents, parts of car lamps, parts of air conditioning systems and parts of household appliances.	Toyobo Co., LTD.	Materials consulting and Sales via Sumitomo Corporation Europe Limited
PELPRENE® (TPE)	Tensile strength 42 MPa; temperature resistant between -40 and + 180°C; elongation 700%; tear strength 140 kN/m; abrasion, oil and grease resistance; two-color molding and light stability.	Bellows, tubes, gears, high pressure hoses, exterior and engine parts, air pressure and intake hoses for the automotive industry.	Toyobo Co., LTD.	Materials consulting and Sales via Sumitomo Corporation Europe Limited
SUMIKAEXCEL® (PES)	Long-term heat resistance 180 - 200°C; creep and impact strength; dimensional accuracy; hot water resistance (180°C); low outgassing; flame resistance V-0@ 0.3 mmt.	Oil pans, gearboxes, turbochargers, oil control valves, cooling couplings, EGR valve motors, lamp housings, connectors, relays, sensors, covers for metals.	Sumitomo Chemicals Co., LTD.	Materials consulting and Sales via Sumitomo Corporation Europe Limited
SUMIKASUPER® (LCP)	Long term heat resistance from 220 - 260°C; Tlc 320 - 400°C; soldering and chemical resistance; high tensile strength; high modulus of elasticity; good damping properties; high flowability; low flammability; flame resistance V-0@ 0.1 mmt.	Oil lines, EGR valve actuators, connectors, relays, lamp sockets, bobbins, heat resistant shells.	Sumitomo Chemicals Co., LTD.	Materials consulting and Sales via Sumitomo Corporation Europe Limited
BADAMID® (PA9T)	Low water absorption; high dimensional stability; possibility of product downsizing; resistance to chemicals and hydrolysis; high heat resistance; long-term temperature resistance, fuel barrier suitability.	EGR valve motors, gearboxes, headlight actuators, protective tube for wiring harness, lock nut, quick connectors.	Bada AG	Materials consulting and Sales via Sumitomo Corporation Europe Limited

Product portfolio - rubber polymers, chemicals

Product	Properties <small>*detailed information available</small>	Applications (examples)	Producer	Service Ecksklusiv GmbH
KELIREN® (CPE)	High resistance to ozone, weathering and hot air up to 150°C; oil resistance; to produce flame-retardant elastomer components	Oil-resistant hoses, cable sheathing.	Hangzhou Keli Chemicals Co., LTD.	Materials consulting and distribution
KELIREN® (TAC – liquid and in powder form)	Improvement of the strength, stiffness and heat resistance of plastics; also suitable for the cable and rubber industry as vulcanization accelerator for highly saturated rubber and for increasing the degree of vulcanization	Additive for the thermoplastic and elastomer industry.	Hangzhou Keli Chemicals Co., LTD.	Materials consulting and distribution
TOA ACRON AR® (Polyacrylate resins)	High polymerization density, good adhesion; excellent heat, aging and weathering resistance; no odor when dissolved in various solvents; can be applied to many types of substrate surfaces; low cold flow; can react with crosslinker to form three-dimensional structures; transparent and colorless film; no need to prepare the mixer before use	adhesive tapes.	TOA Resin Corporation	Materials consulting and Sales via Sumitomo Corporation Europe Limited