MOLYKOTE®

DUPONT™

Smart Lubrication™

for vehicle interior design

Design for comfort and lasting appeal

Meet your critical lubrication requirements for advanced vehicle interior design with MOLYKOTE® brand specialty lubricants from DuPont. With our in-depth expertise, a heritage of innovation, problem-solving collaboration, and reliable global supply and technical support, these high-performance *Smart Lubrication*™ solutions are precisely formulated and application-matched to help you achieve:

- **Energy efficiency** with reduced friction losses and increased wear control
- **Comfort and design** with enhanced smoothness and reduced noise and vibration
- **Safety** with added component reliability, less wear and more corrosion resistance
- **Sustainability** with increased process efficiency and durable component service life

Design for comfort and lasting appeal with a choice of MOLYKOTE® brand *Smart Lubrication*™ solutions:

- **Greases** with special additives to resist water washout, evaporation or oxidation
- **Silicone compounds** for light-load lubricating and sealing in extreme temperatures
- **Anti-seize pastes** with high levels of lubricating solids for heavy loads and slow speeds
- **Anti-friction coatings** for clean dry-film lubrication to control friction, wear and noise
- **Solids and powders** for plastics lubrication and specialized friction-control additives
- **Oils and dispersions** with performance additives in synthetic or mineral blends

Innovate with smart science

Proven, effective MOLYKOTE® brand *Smart Lubrication*™ solutions can help you meet vehicle interior design goals for quiet comfort innovation:

Reduce squeaks, rattles, unwanted noise and vibrations
- Media controls
- Switches, actuators, gears
- Seat tracks
- Door trims, dissimilar materials
- Storage bins, consoles

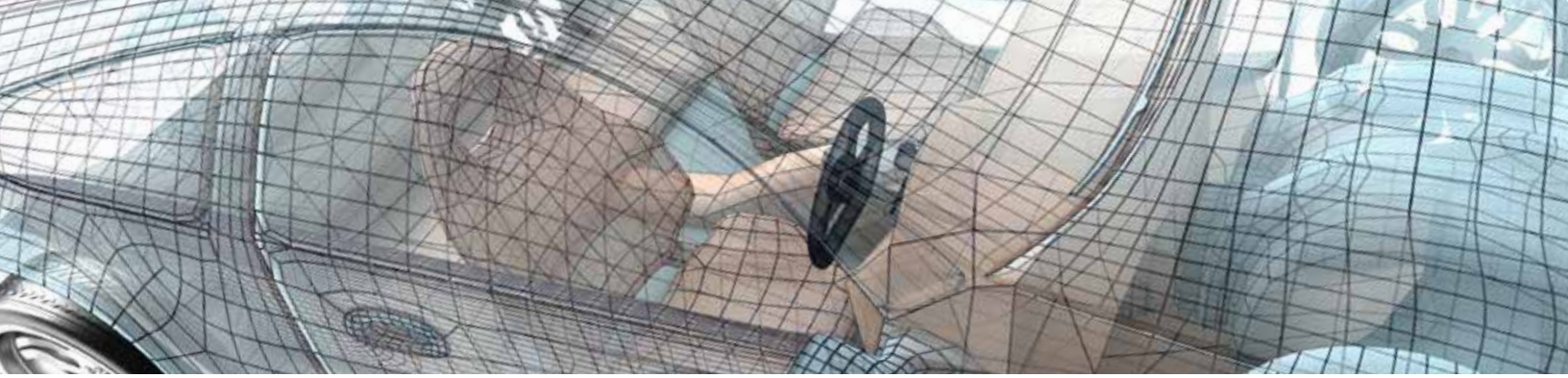
Control free motion of adjustable components for added smoothness
- Mirrors
- Visors
- Window regulators
- Steering columns
- Seating, seatbelt systems
- Headrests
- Cupholders

Ensure proper tightening and nondestructive disassembly
- Assembly fasteners, clips

Smart Lubrication™ selection guide: Interior applications

APPLICATION	DESIGN NEED	POTENTIAL SOLUTION(S)	PRODUCT HIGHLIGHTS
Armrests, gloveboxes, cupholders, consoles	Reduced stick-slip noise	MOLYKOTE® D-96 Anti-Friction Coating	Water-based AFC reduces difference between static and sliding friction
		MOLYKOTE® L-8030 Lubricant	Solid lubricants in fluorinated solvent form quick-drying, nontacky lubricating film
Sun visors, mirrors, headrest sliders	Enhanced tactile smoothness and reduced wear	MOLYKOTE® D Paste	Light-colored, mineral-oil-based paste with solid lubricants for controlled sliding friction
		MOLYKOTE® L-8030 Lubricant	Solid lubricants in fluorinated solvent form quick-drying, nontacky lubricating film
Switches and audio/media controls	Reduced noise, improved smoothness	MOLYKOTE® E Paste	Synthetic-oil-based paste with solid lubricants and excellent materials compatibility
		MOLYKOTE® EM-30L Grease	Synthetic grease suitable for lubricating plastic components
		MOLYKOTE® G-1057 Grease	Low-bleed synthetic grease with excellent plastics compatibility
HVAC vents and controls	Dampened noise and vibration	MOLYKOTE® MH-62 Grease	Synthetic grease compatible with plastics; low wear characteristics
Instrument cluster, dash	Reduced stick-slip noise	MOLYKOTE® D-96 Anti-Friction Coating	Water-based AFC for squeak and stick-slip elimination
		MOLYKOTE® L-8030 Lubricant	Thin-film, fast-drying PFPE fluid with low coefficient of friction and zero ozone depletion
Interior trim, dissimilar materials	Reduced stick-slip noise	MOLYKOTE® D-96 Anti-Friction Coating	Water-based AFC for squeak and stick-slip elimination
		MOLYKOTE® D-96 UV Anti-Friction Coating	Water-based AFC for squeak and stick-slip elimination; contains UV tracer
Rails, slides and actuators	Lightweighting with reduced friction and wear	MOLYKOTE® G-1056 Grease	Low-bleed synthetic grease with excellent shear stability
		MOLYKOTE® YM-102 Grease	Synthetic grease with solid lubricants for high load-carrying capacity
		MOLYKOTE® PG-75 Grease	Semi-synthetic grease for plastic-plastic and plastic-metal combinations
Seatbelt actuator, guide track	Reduced friction and wear	MOLYKOTE® EM-50L Grease	Synthetic grease with good noise-damping properties
Seating guide tracks	Reduced mass, friction and wear	MOLYKOTE® G-1023 Grease	PAO-based grease with low-friction and reduced-noise lubricating between metal and GFRP plastics
Steering column shaft bearings	Controlled friction and wear	MOLYKOTE® BG-20 Synthetic Bearing Grease	Synthetic grease with extreme-pressure and anti-wear additives for metal-metal lubrication
Window regulators	Enhanced smoothness with less wear and noise	MOLYKOTE® EM-60L Grease	Synthetic grease suitable for low-temperature lubrication of plastics
		MOLYKOTE® 33 Light Extreme Low Temperature Grease	Silicone-based grease with excellent low-temperature resistance
Worm gear drives	Reduced friction and wear	MOLYKOTE® D-709 Anti-Friction Coating	Heat-cured, silver AFC for metal/metal and plastic/metal parts under low to medium loads
Fasteners, clips	Ensured proper tightening torque	MOLYKOTE® D-96 Anti-Friction Coating	Air-drying water-based coating provides low coefficient of friction with light loads

NOTE: These are proven, effective MOLYKOTE® brand *Smart Lubrication*™ solutions for vehicle interior design. Contact your MOLYKOTE® representative for product options to meet specialized requirements.



Sustainable design solutions

Enhance your design sustainability with MOLYKOTE® brand *Smart Lubrication*™ solutions from DuPont. To meet key interior design needs, these advanced specialty lubrication technologies can be custom-formulated for specified performance characteristics, regulatory standards and process requirements. Raw materials include base oils such as silicone, mineral or polyalphaolefin (PAO); solid lubricants such as molybdenum disulfide (MoS_2) and polytetrafluoroethylene (PTFE); thickeners such as lithium; and various performance additives to inhibit rust, resist wear or withstand extreme pressure.

- MOLYKOTE® brand lubricants enhance tactile feel and add smoothness to operator-adjustable components such as mirrors, visors, cupholders and gloveboxes.
- MOLYKOTE® brand greases and anti-friction coatings (AFCs) reduce stick-slip between dissimilar materials and help eliminate squeaks, rattles and buzzing vibrations.

Smart Lubrication™ solutions for other vehicle systems

In addition to the MOLYKOTE® brand *Smart Lubrication*™ solutions for vehicle interior design featured in this selection guide, DuPont also offers proven, effective lubricants for these vehicle systems:

- Chassis and brakes
- Electrical
- Exterior
- Powertrain

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Learn more: Contact us

To learn more about MOLYKOTE® brand specialty lubricants and proven, effective *Smart Lubrication*™ solutions to drive quiet comfort innovation in vehicle interior design, contact your MOLYKOTE® Technical Representative or visit **molykote.com**.

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