

MATERIALS FOR ADVANCED MOBILITY APPLICATIONS

From autonomous driving to electric vehicles, elevated connectivity and more, the future of advanced mobility is an exciting vision. Plastics can help bring enhanced vehicle designs into reality, helping achieve key objectives such as heat and wear resistance, durability, and thermal stability to protect sensitive electronic components and sensors.

Formerra is dedicated to supporting transportation customers and various advanced mobility application needs with our comprehensive materials portfolio of polymers, colorants and additives. We are also available to assist in navigating complex advanced mobility application designs through collaboration with our supplier technical and design teams.



Automotive

TYPICAL ADVANCED MOBILITY APPLICATIONS

- Semiconductors
- Sensors on body panels, bumpers, grilles
- Light Detection & Ranging (LIDAR)
- Cameras
- ADAS components
- Connectivity/infotainment
- Flexible interiors
- Electric vehicles/charging stations
- Batteries, battery packaging
- Propulsion systems
- Shared mobility
- Telematics & intelligent traffic controls
- Transportation grid/infrastructure
- Crash absorbers



COMMON ADVANCED MOBILITY NEEDS

- High heat resistance
- High wear resistance
- Excellent durability
- High impact resistance
- Good chemical resistance
- Thermal stability
- Multi-material joining
- Anti-microbial/self-cleaning/low-odor
- High optical purity

SOLUTIONS FOR ADVANCED MOBILITY APPLICATIONS

Supplier	Chemistry	Product Name
Avient	Specialty Formulations	Complēt™, ECCOH, Maxxam™ FR, OnForce™ Stat-Tech™, Surround™, Thermo-Tech™
Celanese	PA 6, PA 66, PA 612, PA 66/6 Copolymer, PA 66/6T Copolymer, TPC-ET	Crastin®, Delrin®, Hytel®, Rynite®, Zytel®, Zytel® HTN
Covestro	HH PC, PC, PC+ABS, PC+ASA, PC+PBT, PC+PET, PC+SAN, PC+TPU, TPU Polyester, TPU Polyether	Apec®, Bayblend®, Makroblend®, Makrolon®, Texin®
DuPont	Acetal (POM)	Delrin®
INVISTA	PP Copolymer	INVISTA™
INEOS Styrolution	ABS, ABS/PC, ASA, ASA/PC, PA/ABS, SMMA	Lustran®, Luran® S, NAS® XC, Novodur®, Terblend®
Pinnacle Polymers	PP Copolymer	Pinnacle PP
RheTech, Inc.	PP Compounds, TPO Compounds, Bio-Fiber Reinforced TPO	RheComp, RheVision
Trinseo	Acrylic (PMMA)	Plexiglas®

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