



MATERIALS FOR LIGHTING APPLICATIONS

Lighting features across various transportation modes are critical components for improving vehicle safety, increasing consumer convenience and—in recent years—adding interior ambience and boosting comfort for an enhanced passenger experience.

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



Automotive

TYPICAL LIGHTING APPLICATIONS

- Head/fog lamp
- Map/dome lighting
- Rear combination lamp
- Turn signal/parking lamp
- Styling lenses (interior/exterior)
- License plate lamp
- Camera coverings/brackets
- Cornering lamp
- High mounted stop lamp
- Reflex reflector
- Hazard lamp
- Display/instrument cluster lenses
- Housings
- Heat sinks
- Signature lighting
- Various lamp parts



COMMON LIGHTING NEEDS

- Excellent light transmission
- Optimal optical clarity
- Outstanding weatherability
- Excellent scratch resistance
- Excellent heat management and conductivity

SOLUTIONS FOR LIGHTING APPLICATIONS

Supplier	Chemistry	Product Name
Avient	Specialty Formulations	Therma-Tech™
Celanese	PA 6, PA 66, PA 66/6 Copolymer, PBT, PET	Crastin®, Rynite®, Zytel®
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)	CDelrin®
GEON Performance Solutions	PP Compounds	GEON®
INEOS Styrolution	ABS, ASA, PC+ABS, SMMA	Luran® S, Lustran®, NAS® XC, NAS XC® UV, Novodur®
LyondellBasell	PP Compounds, PP Copolymer	Hostacom®
RheTech, Inc.	PP Compounds, TPO Compounds	RheComp
Trinseo	Acrylic (PMMA), PC, PC+ABS, PC+PET	CALIBRE™, CALIBRE™ MEGARAD™, EMERGE™, Plexiglas®, Plexiglas® Frosted, Plexiglas® Reflect

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