

CHEMISTRY THAT MATTERS™



EPIC ONLINE TECHNOLOGY MEETING ON AUTOMOTIVE LIGHTING

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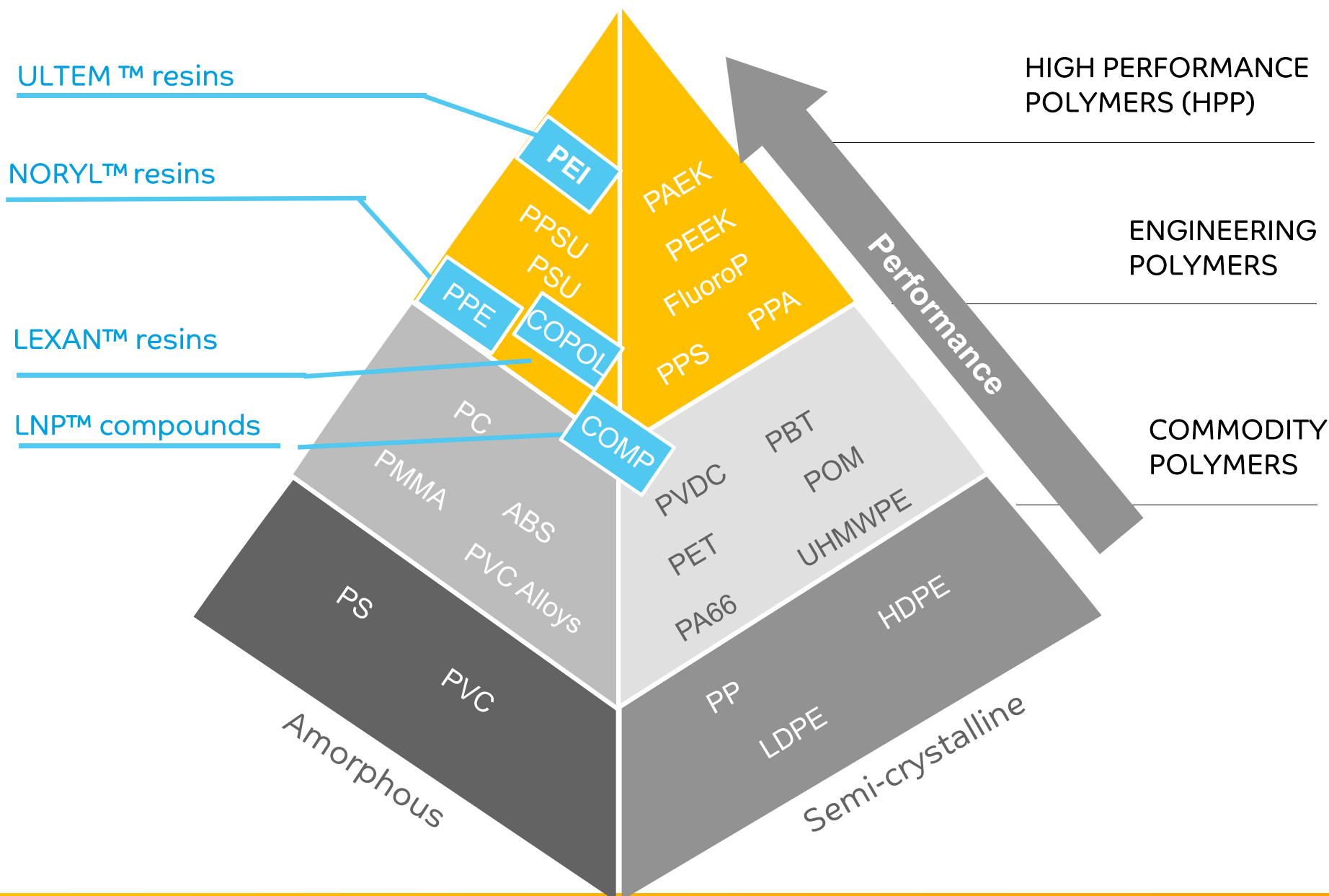
HIGH-END HIGH PERFORMANCE POLYMERS AND COMPOUNDS

ULTEM™ resin is a high performance thermoplastics resin (PEI), which provides high thermal, high strength and flame resistance

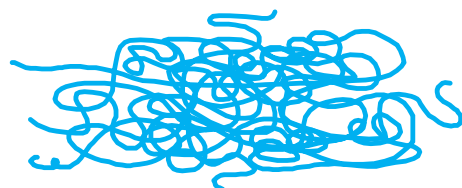
NORYL™ resin is a specialty engineering polymer (PPE), which combines the benefits of PPE with excellent dimensional stability, good processability and low specific gravity

LNPT™ compounds include unique combinations of base resins with fillers, additives and flame retardants

LEXAN™ resins copolymers provide broad design versatility with their wide range of viscosities and product options such as: environmentally conforming flame retardancy, scratch resistance, toughness, heat resistance, weatherability, biocompatibility, optical quality, and compliance with stringent FDA and USP requirements



HIGH HEAT MATERIALS – ABOVE 150 °C



Amorphous

		(T _g)
EXTEM™ resins	PI	247-267°C
	PES	225°C
	PPSU	220°C
ULTEM™ resins	PEI	217-227°C
	PSU	189°C
CXT resins	PC-copo	170-195 °C
XHT resins		140-185 °C
LEXAN™ resin (standard PC)	PC	Up to 135 °C
NORYL™ resins	PPO/PS	100-200°C

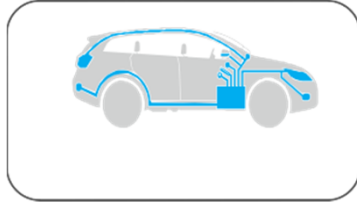
Semi-crystalline

		(T _m)	(T _g)
PEEK	L-Series*	340°C	143°C
PPA	U-Series*	310°C	130°C
PPS	O-Series*	290°C	85°C
PA66	R-Series*	260°C	50°C
PBT	W-Series*	220°C	50°C

* THERMOCOMP, STATCON, STATLOY, FARADEx, LUBRICOMP, LUBRILOY, KONDUIT, VERTON, THERMOTUF & COLORCOMP

➤ Unique combination of heat resistance, clarity and processability

DESIGNING FOR THE LIGHTING SYSTEMS OF TOMORROW



LIGHTING

Designing for superior reflection, projection, heat management and aesthetic appearance



Lenses/light guides

LEXAN™ XHT and LEXAN™ CXT resins

- Flexible styling
- Transparency
- High refractive index
- Flow heat balance
- Dimensional stability

Bezels/reflectors

LEXAN™ XHT, ULTEM™ resins

- High surface finish
- Dimensional stability
- Direct metallizable
- Haze onset temperatures (ranging from 145-230 oC)

Heat sinks

LNPT™ KONDUIT™ compound

- Heat dissipation
- High modulus
- Injection moldable



THANK YOU

