ChasePlastics®
Redefining Resin Distribution®

Real solutions.
Real SABIC's Specialties business
LEXAN™ XHT copolymers.

LEXAN™ XHT copolymers are high heat polycarbonates that provide unmatched high temperature performance coupled with excellent processability and the highest retention of clarity and color stability when exposed to elevated temperatures.

The LEXAN™ XHT copolymers portfolio offers grades ranging in heat performance and melt flows to meet your needs without loss in clarity, color stability, or processability. The Chase Plastics' team can assist in selecting the proper LEXAN™ XHT copolymer grade to match the HDT and MVR requirements of each application.

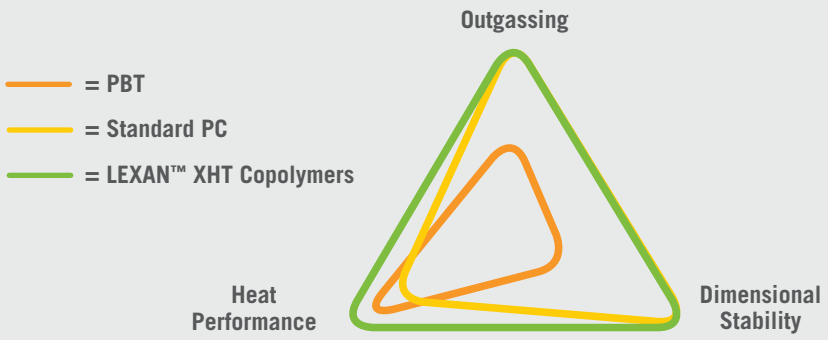
LEXAN™ XHT Resin Portfolio

LEXAN™ XHT resins		HDT(°C) 0.45 MPa	Grades	Transparent	Mold Release	MVR @330°C/2.16kg;ISO1133
	High flow	168	XHT3171		XHT3176	39
		160	XHT2171		XHT2176	56
		150	XHT1171			91
	Standard flow	183	XHT5141		XHT5146	17
		174	XHT4141	XHT4143T		24
		165	XHT3141	XHT3143T	XHT3146	30
		155	XHT2141	XHT2143T	XHT2146	43
		145	XHT1141			70

* Please consult a Chase Plastics' representative for grade availability and suitability for your application

LEXAN™ XHT Copolymers for Automotive Lighting

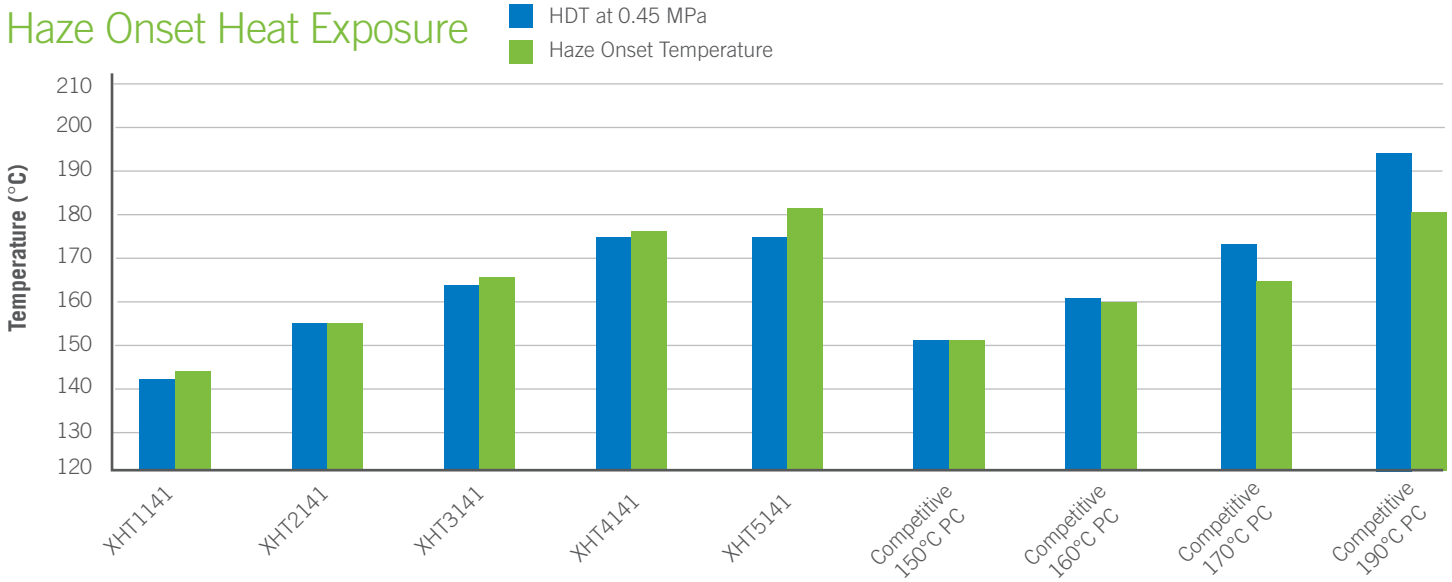
Parts such as lenses, reflectors, and bezels for automotive lighting assemblies require the elevated heat performance that LEXAN™ XHT copolymers were designed to offer. LEXAN™ XHT copolymers also offer improved dimensional stability and outgassing over PBT and better heat performance over standard PC. LEXAN™ XHT copolymers excel in all areas compared to these commonly used automotive lighting materials.



LEXAN™ XHT Copolymers Haze Onset Performance

Haze onset temperature is a commonly used test in the automotive industry to measure the amount of heat resistance in lighting. This test indicates the temperature at which a 3mm opaque metalized plaque shows defects.

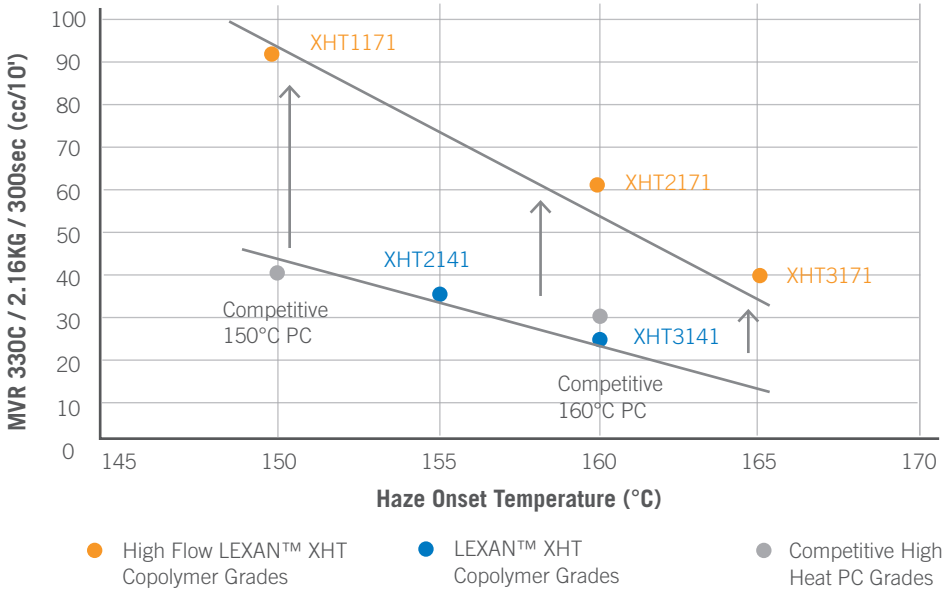
Haze Onset Heat Exposure



LEXAN™ XHT Copolymer High Flow Grades

Higher melt flow grades of LEXAN™ XHT copolymers offer the capability of thin wall molding for complex part design and lightweighting along with the ability to utilize lower injection pressures and lower processing temperatures for overall energy savings.

The high flow grades of LEXAN™ XHT copolymers maintain their excellent haze onset temperatures compared to competitive high heat polycarbonate materials, but with improved flowability.



Lightweighting with LEXAN™ XHT Copolymers

With the available high flow portfolio offered, thinner wall sections can be achieved, resulting in weight savings.

- Up to 50% weight savings vs direct metallized PBT
- Up to 30% weight savings vs competitive high heat polycarbonate materials

Design Freedom with LEXAN™ XHT Copolymers

- Direct metallizable
- Thinner walls achievable
- Lower draft angles required
- More complex part geometries
- Require less complex gating compared to other high heat polycarbonate materials

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