



Application solutions from Covestro

Makrolon® Lumen XT brings modern look to Seminole Hard Rock Hotel and Casino



Application

Dynamic LCD video dome sets the tone for upscale gaming, dining, and nightlife

Background

The hotel's porte-cochère main entrance was under renovation to install a custom video dome to be constructed of steel and a plastic material. Working closely with, and providing technical support, the custom lighting manufacturer decided to investigate Makrolon polycarbonate sheets as a viable solution. The polycarbonate needed to act as a diffuser for the 16,000 LEDs that light the dome.

Challenges

The designer needed to use a material with high impact strength, high flammability resistance, and temperature resistance. When comparing typical light diffusing products such as glass and acrylic, Makrolon Lumen XT was best suited to this application as it met the properties required and a thinner sheet was able to be installed thus helping with weight reduction. Makrolon Lumen XT provides high light diffusing properties that deliver video images with clear definition, the end result is a dazzling display.

Solution

Makrolon® Lumen XT LC5

- Unique light diffusing and light transmission capabilities
- Fabrication friendly
- UL 94 V-2 rating



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