



## News Release

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### **Award-Winning design for historic lodge relies on polycarbonate sheet's versatility, toughness**

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Sheffield, MA, November 3, 2009— A nationwide design competition for the winter entryway to historic Timberline Lodge in Mount Hood, Oregon posed the dual challenge of having to withstand extreme weather conditions while providing aesthetics appropriate to the landmark hotel.

Friends of Timberline Lodge recently cut the ribbon to the completed structure with its innovative "igloo" design developed by competition winner rhiza A+D of Portland, Oregon.

To meet the criteria for maintaining long term appearance and damage resistance against falling ice, high wind loads and snow drifts in excess of twenty feet, the architect chose a UV resistant Makrolon® SL polycarbonate sheet for the exterior skin, and a clear grade for the interior surface. Twelve aluminum arches support the structure. The polycarbonate sheet, from Sheffield Plastics, a Bayer MaterialScience LLC company, also provided the easy formability needed for the flowing curves of the architectural firm's winning design. Laird Plastics, Portland Oregon, an authorized distributor for Bayer MaterialScience delivered the polycarbonate material for installation.

Another notable and functional feature of Timberline Lodge's new entry is its "nested" design. Coupled with the light weight of polycarbonate compared to glass, the design allows the maintenance crew to assemble and take down the winter structure quickly. Polycarbonate sheet's durability especially at cold temperatures also resists damage during seasonal handling and storage.

Bayer MaterialScience LLC is one of the leading producers of polymers and high-performance plastics in North America and is part of the global Bayer MaterialScience business with nearly 15,100 employees at 30 sites around the world and 2008 sales of 9.7 billion euros. Business activities are focused on the manufacture of high-tech polymer materials and the development of innovative solutions for products used in many areas of daily life. The main segments served are the automotive, electrical and electronics, construction, medical, and sports and leisure industries.

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Front Entrance to Timberline Lodge, Mt Hood Oregon