

On the start platform, ready, go!

When ski jumpers push away from the take-off tower and swoop down the inrun on a jump, they want one thing only: To build up a lot of speed quickly. Because every additional kilometer per hour has a positive effect on the length of the jump. In order to enable skiers to achieve optimum performance, sports equipment manufacturers Isosport and Fischer have worked together with Ticona to develop a ski-jumping ski with a low-

friction covering made of GUR® UHMW-PE. With its high mechanical resistance and excellent sliding properties, this very resilient ultrahigh molecular weight polyethylene guarantees extremely impressive results. The polymer has already proven its value in normal skis and snowboards – and now it's also demonstrating that same value under significantly higher mechanical stress in ski-jumping skis.

The ski-jumping ski with a low-friction covering made of GUR® UHMW-PE is fast and extremely robust.

Happy trails

They're the elves of winter sports, discretely bringing anonymous good cheer to skiers, cross-country skiers and sledding enthusiasts everywhere. Without snow cats to prepare ski slopes and cross-country ski runs, all that cold white stuff wouldn't be half as much fun. That's why the mechanical endurance and reliability of these machines figures high on the list of specifications. The use of GUR® UHMW-PE in the drive wheels of snow cat track systems is now increasing the resilience of the vehicles even

further. By contrast with the steel previously used, the ultrahigh molecular weight polyethylene does not become brittle under cold conditions – the polymer resists temperatures even down to $-200\text{ }^{\circ}\text{C}$ and as an added benefit, the polymer is also easier and less expensive to process. GUR® also has a clear competitive edge in terms of abrasion resistance: Even stones that may find their way into the chains are no problem whatsoever.



Drive wheel for snow cats

