

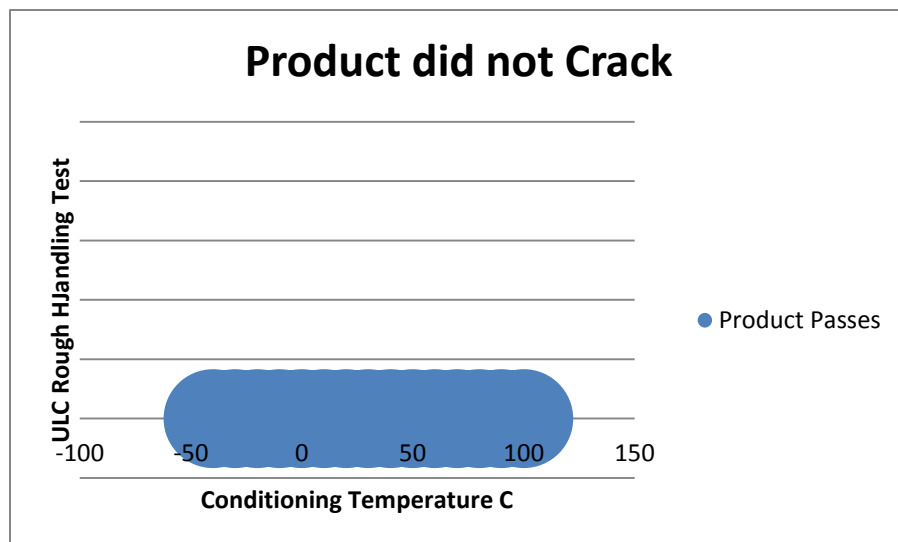


Summary of Elasticity Testing on ECS Rough Handling Test CAN/ULC-S668-12

CAN/ULC- S668-12 is the Standard for Liners used for Secondary Containment of Above-ground Flammable and Combustible Liquid Tanks. Section 5.7 is a crack resistance test to determine if the liner material maintains its elasticity at extreme temperatures.

The CAN/ULC S668 Crack Resistance Procedure involves conditioning at the desired temperature for 4 hours and then folding the sample in half and rolling flat with a 10 kg roller in an attempt to crack the sample. In our study we tested **PRECIDIUM™ ECS™** polyurea at temperatures of -40°C to 100°C in ten degree increments.

No cracking of the **PRECIDIUM™ ECS™** was observed over this temperature range.



This testing was done independently by the CTT Group Sageos Geosynthetic Laboratory. This third party report is available from Western Engineered Containment.

Sincerely,

Dave Martin, P.Eng.
Chemical Engineer, Quantum Technical Services Ltd.

PRECIDIUM™ ECS™ and **PRECIDIUM™ Fusion** are exclusively manufactured by Quantum Chemical for Western Engineered Containment. **PRECIDIUM™**, a Quantum Chemical trademark, is used with permission.