DELRIN® CASE STUDY

Delrin® – for Linear Actuator Parts in Hospital Beds

Fatigue resistant and cost-saving solution for highly loaded linear actuator systems.

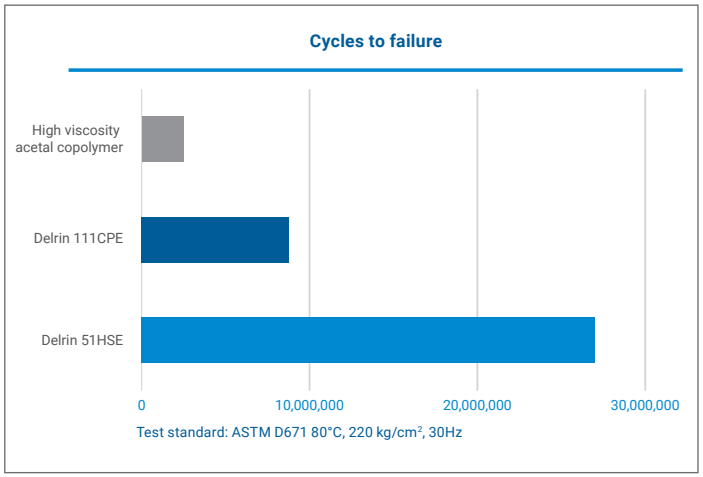
A customer switched from metal to Delrin® 51HSE for linear actuator gears in hospital beds to reduce costs while meeting extended service lifetime and elevated max loading capacity requirements.



What did the customer gain from Delrin®?

- Reliable performance due to Delrin's high fatigue resistance (surpassing 3000 test cycles with up to 8,000N loading)
- Quiet performance (< 50 dB) due to inherent lubricity
- Cost reduction and up to 40% weight reduction compared to metal gears
- Thermal stability to withstand gear box temperatures of 70-80°C

"In durability testing, **Delrin® 51HSE** endures 2.5 times more load cycles than the Delrin® 100 grades and 10 times more than high viscosity acetal copolymer."



Delrin – Engineering the Future, Together

To learn more, contact your Delrin representative or visit Delrin.com.

Delrin® is an industry-leading premium industrial polymer business. Grounded in strong innovation, Delrin is a category creator with a longstanding reputation for quality, reliability, supply and product performance. The iconic Delrin brand, coupled with proprietary technology and deep application expertise, make us a leader in the high-end engineering polymer market. Delrin has exciting growth prospects from exposure to automation, actuation, healthcare, mobility and consumer applications.

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