



Improving the Feel of Interior Door Handles

Application: Door Handle Spring

Location: USA

Challenge

A prominent Automotive supplier was in search of a lubricant that would be compatible with the chrome finish on the interior door handles of their new pickup truck design. If not properly lubricated, components within the door handle experience friction during use, which creates audible vibrations that passengers may find off-putting. The supplier needed a lubricant to control the motion of the door handle to reduce the noise, vibration, and harshness emitted during use. The lubricant also needed to extend the life of door handle components while exhibiting chrome compatibility.

Solution

UNIFLOR 8172 is a PTFE, completely fluorinated grease with exceptional wide service temperature from -45 to 225°C. This PFPE grease is compatible with chrome and most plastics and elastomers. The light viscosity provides a quality feel to eliminate backlash and is specified per GM: 9985880.

Results

The Automotive supplier completed compatibility and durability testing to validate UNIFLOR 8172 for their application. UNIFLOR 8172 passed all customer testing and improved the life of the door handle spring while also reducing noise emissions. The Automotive supplier ultimately selected UNIFLOR 8172 to lubricate the interior door handle of their new truck design and remain satisfied with its performance.

Advantages

Wide temperature performance

Compatible with most plastics & elastomers

Eliminates backlash