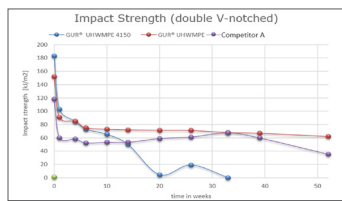
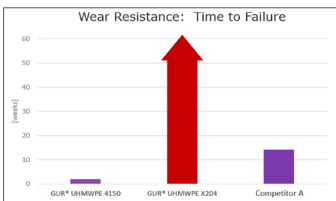


HIGH-PERFORMANCE GUR® UHMW-PE FORMULATED FOR EXTENDED SERVICE LIFE AT ELEVATED TEMPERATURES

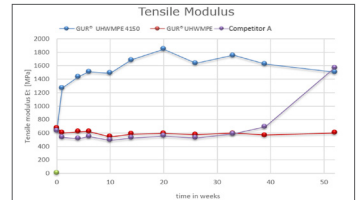
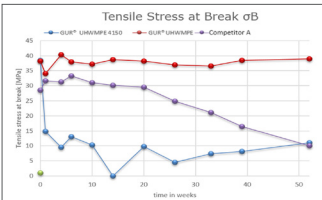
GUR® X204 UHMW-PE IS SPECIALLY FORMULATED TO MAINTAIN ITS PHYSICAL AND MECHANICAL PROPERTIES UP TO TEN TIMES LONGER THAN TRADITIONAL UHMW-PE AT TEMPERATURES UP TO 110°C

- GUR® X204 UHMW-PE offers outstanding wear and abrasion resistance, as well as impact resistance to -200°C
- GUR® X204 UHMW-PE reduces oxidation and dramatically extends part life
- Designed for parts seeing extended use at elevated temperatures
- Capable of withstanding short-term heat spikes up to 135°C



GUR® X204 UHMW-PE maintains effective wear resistance at elevated temperatures well over 20X longer than GUR® 4150 UHMW-PE

GUR® X204 UHMW-PE retains impact resistance at elevated temperatures over 2X longer than GUR® 4150 UHMW-PE



GUR® X204 UHMW-PE maintains effective wear resistance at elevated temperatures well over 20X longer than GUR® 4150 UHMW-PE

GUR® X204 UHMW-PE retains impact resistance at elevated temperatures over 2X longer than GUR® 4150 UHMW-PE

APPLICATIONS

Ideal when near high heat sources and in higher-than-normal temperature environment.

- Knobs and handles for commercial and residential ovens
- Washers, plugs, seals, guides in oil and gas exploration
- Conveyor chain, wear guides, guards in conveyor systems for food processing / packaging
- Pads, controls, Components and equipment used in or around industrial dryers and ovens
- Machined shapes and profiles

INDUSTRIES

- Oil & Gas
- Food Processing / Packaging
- Agriculture
- Conveyors
- Food Service
- Automotive

PERFORMANCE

- Up to 10 times longer service life in elevated temperatures
- Increases the “useable” temperature range for UHMW-PE parts by up to 30°C
- Outstanding abrasion, chemical and impact resistance

Typical Properties*	X204	4150
Density (kg/m³)	930	930
Carpy Double 14° V- Notch Strength @ 23C (kJ/m2)	140	180
Tensile Modulus (MPa)	670	630
Tensile Stress at Yield (MPa)	20	19
Wear by Sand Slurry Method	85	85
Tensile Strain at Yield (%)	14	14
DTUL @ 1.8 MPa (°C)	38	38
VICAT Softening Temp. (°C)	80	80

*These values are typical and do not constitute specifications.

Celanese

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