



Super-Slide UHMW Yellow Quartz is a premier blend of UHMW Polymer with a 7-9 million molecular weight. Using a unique additive, we are able to offer a UHMW product with extreme abrasion resistance even in the toughest applications. This grade is corrosion resistant and has excellent strength. It was designed for the use in off-road vehicles, heavy earth moving equipment, and mining equipment as a protective UHMW Liner.

Properties: Extreme abrasion resistance, highest in its class
UV- Stabilized
Very low maintenance on equipment
Longer lifetime, very cost effective
Liner will increase the life of steel structure
Material can be welded

Color: Yellow pigment 181

Application fields: Earth moving equipment (buckets)
Off road truck liners
Chutes, hopper liners
Conveying systems (coal, cement, etc.)
Bulk goods handling



Specification Sheet

Physical Properties	Method	SI Unit	SI Value
Density	ASTM D792	gg/cc	>.94
	ISO 1183-1	g/cm ³	>.94
Abrasion (Sand-Slurry-Test rel. to GUR 4120=100%)	ISO 15527	%	70 (±10%)
Notched impact strength	ISO 11542-2	mJ/mm ² kJ/m ²	>80
Tensile strength, yield	ASTM D638	psi	>2500
	ISO 527-2	MPa	>17
Break Elongation	ASTM D638	%	>350
	ISO 527-2	%	>50
Creep properties under varying compressive stress: Creep <10%	max	psi	1550
		MPa	11
Coefficient of friction ASTM 1894 metal= Rz 2,5 μ, Pm = 2 N/mm ² , V=150 mm/min	Static	μ	.13
	Dynamic	μ	.08
Shore-hardness, 3-s-value 6mm plate	ASTM D2240	D	66
	ISO 868/DIN 53505	D	66
Water absorption	-	%	<.1 (Nil)
Flammability	UL 94	-	HB
Thermal Properties			
Melt temperature	ASTM 3417 (DSC)	°F	275-278
	ISO 3146 (DSC)	°C	135-137
Permanent operation temp, max	-	°F	176
		°C	80
Coefficient of linear expansion	ASTM D696	73-176 °F	≈1.1x10 ⁻⁴ /°F
	DIN 53752	23-80°C	≈2.0x10 ⁻⁴ /°C
Electrical Properties			
Surface resistivity	ASTM D257	Ohm	>10 ¹⁴
	IEC 93	Ω	>10 ¹⁴
Volume resistivity	ASTM D257	Ohm-cm	>10 ¹⁴
	IEC 93	Ω*cm	>10 ¹⁴