



712 38th Street N Unit D
Fargo, North Dakota 58102
(701) 282-7447 • (800) 373-7448

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

For more information, go to the Yellow Quartz page on www.superslide.com





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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 Dynamic	μ	.13
		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) ISO 3146 (DSC)	°F	275-278
		°C	135-137
Permanent operation temp, max	-	°F	176
		°C	80
Coefficient of linear expansion	ASTM D696 DIN 53752	73-176 °F	≈1.1x10 ⁻⁴ /°F
		23-80°C	≈2.0x10 ⁻⁴ /°C
Electrical Properties			
Surface resistivity	ASTM D257 IEC 93	Ohm	>10 ¹⁴
		Ω	>10 ¹⁴
Volume resistivity	ASTM D257 IEC 93	Ohm-cm	>10 ¹⁴
		Ω*cm	>10 ¹⁴

