

Durostone[®]
 Lignostone[®]
 Polystone[®]
 Trovidur[®]

Matrox X - extreme abrasion resistant lining material

characteristic

- UHMW-PE
- Very high abrasion resistance
- Excellent surface hardness

application

- Truck bed lining
- Hopper lining
- Mining vehicles

General properties	Value	Unit	Standard
Density	1,0	g/cm ³	ISO 1183
Water absorption	0,01	%	DIN EN ISO 62
Mechanical properties			
Yield stress	22	N/mm ²	ISO 527-1
Elongation at yield stress	13	%	ISO 527-1
Elongation at break	>50	%	ISO 527-1
Tensile modulus of elasticity	1200	N/mm ²	ISO 527-1
Notched impact strength	o.B.	mJ/mm ²	ISO 179
Coefficient of sliding friction	0,08	mJ/mm ²	ISO 179
Shore hardness D	68	-	-
Wear resistance	75	-	Sand-slurry
Thermal properties			
Flammability	HB	-	UL 94
Flammability	B2	-	DIN 4102
Thermal conductivity	0,41	W/mK	DIN 52612
Coefficient of linear thermal expansion	2 x 10 ⁻⁴	1/K	DIN 53752
Service temperature (short)	-250...130	°C	-
Service temperature (long)	-250...80	°C	-
Crystallite melting temperature	133-138	°C	DSC
Electrical properties			
Specific volume resistivity	10 ¹⁵	Ohm x cm	DIN VDE 0303
Surface resistivity	10 ¹⁴	Ohm	DIN VDE 0303

Remark

The data mentioned in this data sheet are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contact sale.