

HabasisLINK® Material Data Sheet

Super High Temperature



Material description

- Long-term heat resistant up to 200°C / 392 °F
- Short-term heat resistant up to 240°C / 464 °F
- Flame retardant UL94 V-0
- No dimensional change due to water absorption
- Hydrolysis resistant (steam up to 130°C)
- Good chemical resistance
- EU and FDA food contact, colors and details see Declaration of Compliance (DoC) on www.Habasis.com

Code	Material	Property	Density	Temperature range	Habasis colors
			g/cm ³		
+ST	Super High Temperature Material	Thermoplastic material with very good heat and hydrolysis resistance. Suitable for light conveying applications at elevated temperatures. Material is specially modified to keep its good properties stable over a long time at elevated temperatures. Flame retardant UL 94 V-0.	1.65	+0°C to +200°C (short-term +240°C) -32°F to +392°F (short-term +464°F)	beige

Thermal expansion

Coeff. of linear thermal expansion α			
-0°C to 90°C / -32°F to 194°F		90°C to 240°C / 194°F to 464	
mm/m * °C	in/ft * °F	mm/m * °C	in/ft * °F
0.026	0.00017	0.048	0.00032

Sprocket material

Super high temperature material or stainless steel.

Habasis support for design and calculation

To assist the layout and calculation of Habasis plastic modular belt conveyors, Habasis provides additional documentation and instruments on request.

- Engineering Guide with further complementary details to the design and calculation of conveyors.
- Calculation Program to analyze the dimensioning and acting forces of a planned conveyor design.

For further information or additional documentation please contact Habasis.



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