

SUSTANews

Sustamid[®] 6 G ESD conducts electrical current

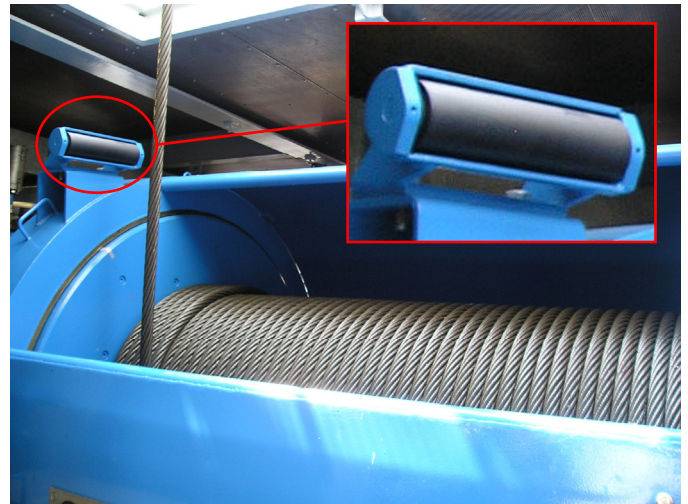
The new material Sustamid[®] 6 G ESD primarily is characterised by its electrical conductivity. This provides a basis for complying with ATEX 137 and ATEX 95, the newest guidelines for explosion protection. Thus electrostatic charge as a possible ignition source in an explosive atmosphere is avoided by using Sustamid[®] 6 G ESD.

Property	Unit	Value
Volume resistivity	Ω cm	$2,3 \times 10^5$
Surface resistance	Ω	10^4

At the same time the material shows nearly the same high mechanical stiffness and strength like Sustamid[®] 6 G and therefore is suitable for "typical" Nylon applications like rollers, pulleys, gears, etc.

Property	Unit	Value
Yield point	MPa	56
Elongation at break	%	>8
E modulus (tension)	MPa	3.200

The unique combination of properties (electrical conductivity and high mechanical load capacity) of this new cast Nylon is for instance required in the offshore industry.



Guide roller in explosion proof protected area on a drilling platform

For further information please contact:
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