

The new material with built-in fire protection: **Sustamid 6FR - Flame resistant polyamide**

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In areas making high demands on fire behaviour – such as transport and the electrical industry – manufactures of plant and machinery often had to get along with an alternative to nylon so missed out on its outstanding mechanical properties.

New flame resistant nylon 6

The material boasts a very high LOI (Limiting Oxygen Index) of 40% and is halogen free. With a UL94- V0 fire rating. In addition the low density (1.17g/cm³) provides significant weight and construction benefits in comparison to conventional material, like steel (7.85g/cm³)



Cable clamp for rail vehicles made from Sustamid 6 FR. The new flame-resistant material allows extruded nylon 6 to be used in areas with high demands on flammability

Rods	
Diameter	Length
10 -100mm	3,000mm

Sheets		
Thickness	Width	Length
8 - 90mm	620mm	3,000mm

Available in the above dimensions.
Other dimensions available on request.

Sustamid 6FR has been tested to a number of fire regulations including the new EU rail vehicle standard, DIN EN 45545-2:2013.

Please contact us for further details and certificates

t 01476 574 476 e sales@seplastic.com f 01476 592 262

