Polystone® MK FL | Polystone® MK FL AST

Railway engineering components

Railway technology and vehicles

NEW
Material now certified to EN 45545-2:2013
Railway

Machined components made of Polystone® MK FL and Polystone® MK FL AST

Rail transport takes people and goods safely and rapidly from A to B. Once on rail, reliable and powerful technology is required. Every designer is faced with the challenge of developing fast, safe and cost-efficient rail vehicles. We support you with machined components made of our material Polystone® MK FL and the antistatic variant Polystone® MK FL AST to your requirements. The flame-retardant PE-UHMW is now certified as compliant with the relevant requirements of the new European rail vehicle standard EN 45545-2:2013.

Machining options
We have specialised in the manufacture of high-quality machined parts and offer virtually unlimited processing options with one-of-a-kind installations and machinery.
This means you get your components:
• up to a size of 6000 x 2500 mm
• with complex geometries and close tolerances
• alongside a high surface quality
• machined to drawings

Properties – Polystone® MK FL
• Low density (1.0 g/cm³) favours lightweight construction
• Excellent slide properties
• High resistance to abrasion
• Antistatic possible upon request – Polystone® MK FL AST

Typical components
Its properties make Polystone® MK FL and Polystone® MK FL AST particularly suitable for components that have to meet high requirements on slide properties and resistance to abrasion.
Typical components:
• slide elements
• linings
• cable clamps

Flame-retardant according to:
Polystone® MK FL
• EN 45545-2:2013
Polystone® MK FL AST
• EN 45545-2:2013
• ASTM E 662
• ASTM E 1354
• ASTM E 162
• Bombardier SMP 800·C
• Boeing BBS 7239
• ECE-R 118, Annex 6, 7 and 8: 2015:04