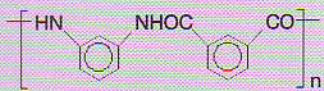


Surface of the
m-Aramid Fibre



m-Aramid fibres are highly effective fibres made of the aromatic elements 1,3 phenyldiamine and isophthalic acid.

The fibres are insensitive to short temperature peaks and provide a high tensile strength. m-Aramids do not support combustion and play an important role in high temperature filtration.

Filter media made of m-Aramid are particularly applied in asphalt plants, in the iron and steel industry as well as in non-ferrous smelting plants.

Typical Characteristics of m-Aramid Fibres:

BWF Envirotec designation	NO, NX
Temperature resistance	const. 200°C / max. 220°C
Melting point	-, -
Spontaneous combustion temperature	675°C
LOI-value	26 – 30
Density	1,38 g/cm ³
Tensile strength acc. to DIN 53819	44 – 53 cN/tex
Moisture uptake	5% at 65% rel. humidity and 20°C
Resistance to hydrolysis	moderate
Resistance to acids	moderate
Resistance to alkalis	moderate
Resistance to oxidation	good
Resistance to organic solvents	excellent