

PROTECTIVE FILMS
ADHESIVE TAPES
CONVERTING

Your reliable
partner for
30 years.



FFT GROUP
CONVERTING SOLUTIONS

**PROTECTIVE FILMS
FOR ALUMINUM AND
STEEL PROCESSORS**

WHY CHOOSE PROTECTIVE FILMS FROM FFT GROUP?

Expertise



With over 30 years of experience, FFT Group supports and supplies companies in the industrial aluminum and steel sector. Expect experience, flexibility and reliability.

Reliable protection



Strong adhesion combined with easy, residue-free removal.

Process-optimized



Perfectly suited for automated production, robotic handling and tight tolerances.

Individually configured



We supply rolls, die-cut parts and perforated films and offer custom printing to match your exact requirements.

CUSTOMISED PROTECTIVE FILMS

For aluminium and steel processors.

For over 30 years.

In metal processing, every detail counts – especially when it comes to protecting sensitive surfaces. Whether laser cutting, bending, forming or deep drawing: our process-optimized protection films safeguard the visible quality of your products, protect against corrosion and help significantly reduce both rework and complaints. When applied correctly, our films can be removed cleanly and residue-free, saving costs – and can also serve as advertising media (custom prints).

Because quality deserves protection from the start.

FOR EVERYONE STRIVING TO GET MORE OUT OF METAL:

- ✓ Surface protection for CO₂ and fiber lasers
- ✓ Flexible in deep drawing and complex forming processes
- ✓ Clean, residue-free removal without rework
- ✓ Protection during handling, transport and storage

YOUR PROCESS. OUR SOLUTION.

For over 30 years, the FFT Group has been supplying high-quality surface protection films in customized formats – precisely tailored to the specific products and production processes of our customers:



TANK CONSTRUCTION



(PHARMACEUTICALS, FOOD- AND BEVERAGES)

AUTOMOTIVE PARTS



PC HOUSINGS & CONTROL CABINETS



ALUMINUM & STEEL FURNITURE MANUFACTURERS



RACK AND ENCLOSURE FABRICATION



WHITE GOODS PARTS




PIPE EXTRUSION




AND MANY MORE



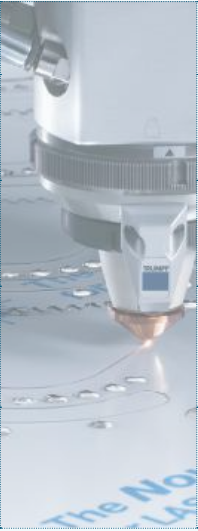
EDGING & BENDING

| Foil type | Application* | Thickness | Adhesion values | Colour | Film type | Adhesive type | UV - resistance | Elongation |  |
|-----------|---|-----------|-----------------|---|---------------------|---------------|---|---------------------------|---|
| 4223 | Standard bending foil for thin sheets/coil material.* | 80 µm | 55 cN/cm | Black & white | Polyethylene (LDPE) | Rubber | 6 months | Length: 150% across: 500% | |
| 4224 | Standard bending foil for thicker/ brushed sheet/coil material. | 100 µm | 115 cN/cm | Black & white | Polyethylene (LDPE) | Rubber | 12 months except for stain-less steel-zinc (6 months) | Length: 150% across: 500% | |
| 4204RB | Standard bending foil for thin sheets/coil material, blue stripes indicate direction of brush movement. | 90 µm | 60 cN/cm | White with blue stripes (indication of brushing/ grinding direction etc.) | Polyethylene (LDPE) | Rubber | 15 days | Length: 350% across: 550% | |


DEEP DRAWING & EMBOSSING

| Foil type | Application* | Thickness | Adhesion values | Colour | Film type | Adhesive type | UV - resistance | Elongation |  |
|-----------|--|-----------|-----------------|---------------------------------------|------------------------|---------------|-----------------|---------------------------|--|
| 224PR-MJ | The deep drawing foil; excellent deformation properties, high friction resistance of release coating, lubricating behaviour similar to drawing oil. | 75 µm | 50 cN/cm | Blue transparent or clear transparent | PVC | Acrylic based | Very good | MR** 300% | |
| 225PR-MJ | The deep drawing foil, excellent deformation properties, high friction resistance of release coating, lubricating behaviour similar to drawing oil, higher adhesive level then 224PRM. | 75 µm | 60 cN/cm | Blue transparent or clear transparent | PVC | Acrylic based | Very good | MR** 240% | |
| 6065E5HP | Ideal foiltype for challenging forming processes. The tear resistant PO carrier guarantees strong deformation in longitudinal and transverse direction. | 60 µm | 100 cN/cm | Blue transparent | Tear-resistant PO film | Acrylic based | No | MR** 600% | |
| 6065E7HP | Ideal foiltype for challenging forming processes. The tear resistant PO carrier guarantees strong deformation in longitudinal and transverse direction, but stronger adhesive level. | 60 µm | 150 cN/cm | Blue transparent | Tear-resistant PO film | Acrylic based | No | MR** 700% | |
| 5057A5 | Superb protection of high gloss substrates like lacquered plates, plastics, glass, laminates and reflective aluminium. | 50 µm | 35 cN/cm | Blue transparent | PE film | Acrylic based | No | MR** 250% | |
| 5057DD7* | Protects high gloss and smooth brushed metals such as aluminium and stainless steel during light mechanical processes; easy removal after deformation process. | 50 µm | 75 cN/cm | Blue transparent | PE film | Acrylic based | No | MR** 250 % | |
| 4504 | Optimally suited for challenging deep drawing, bending und metal forming processes of 3d and 3c steel (grinded and brushed). | 70 µm | 55 cN/cm | Blue transparent | Polyethylene (LDPE) | Rubber | No | Lenght: 100% across: 450% | |
| 3067M | Protection foil suitable to protect metal surfaces and lacquered plates, during light mechanical processes, storage and transportation. | 60 µm | 85 cN/cm | Blue transparent | PE film | Rubber | No | MR** 250 % | |

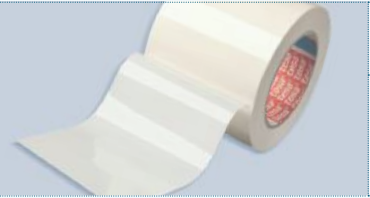
LASER CUTTING

| Foil type | Application* | Thick-ness | Adhesion values | Colour | Film type | Adhesive type | UV - resistance | Elongation |  |
|-----------|---|------------|-----------------|--|--------------------------|------------------------------|-----------------|---------------------------|---|
| 509H10 | Protects metal surfaces during fiber and CO ₂ laser cutting processes. High adhesive level for thick sheets (> 2 mm) and highspeed laser processes. | 100 µm | 135 cN/cm | Black and gray | LDPE Co-Extruded | Solvent-based natural rubber | No | MR** 350% | |
| 511M10P | Suitable for Fiber and CO ² laser cutting of stainless steel up to 2mm, lower adhesive level for easier removal. | 100 µm | 84 cN/cm | Black & grey with grey logo imprint | PE film | Rubber | No | MR** 250 % | |
| 4226REN | Protects metal surfaces during fiber and CO ₂ laser cutting processes. High adhesive level for thick sheets. Optimal for 3d and 3c (grinded and brushed surfaces). | 100 µm | 115 cN/cm | matt white, with blue stripes and arrows, plus logo imprint | Polyethylene (LDPE) | Rubber | 6 months | Length: 150% across: 450% | |
| 4228REF | Great foil for Fiber and CO ₂ laser cutting processes of aluminium, 2r und 2b (grinded and brushed surfaces). | 100 µm | 115 cN/cm | Black & grey, printed with blue stripes / arrows indication of eg grinding direction | Polyolefins (UV-treated) | Rubber | 6 months | Length: 150% across: 500% | |

SUSTAINABLE LASER CUTTING FILM

| Foil type | Application* | Thick-ness | Adhesion values | Colour | Film type | Adhesive type | UV - resistance | Elongation |  |
|-----------|--|------------|-----------------|--------------|--------------------------|---------------|-----------------|-----------------------------|---|
| 3200GAB | Sustainable foil due to 20 % reduction of LDPE; superb foil for fiber and CO ₂ laser cutting processes of aluminium, high adhesive level. | 100 µm | 115 cN/cm | Black & grey | Polyolefins | Rubber | 6 months | Length: 150% across: 150% | |
| 3210GAA | Sustainable foil type for various mechanical processes such as bending of thin sheets/coil material; with medium adhesive level. | 80 µm | 55 cN/cm | Black & grey | Polyolefins (UV-treated) | Rubber | 6 months | Length: >450% across: >450% | |

TOOL PROTECTION

| Foil type | Application* | Thick-ness | Adhesion values | Colour | Film type | Adhesivet-type | UV - resistance |  |
|-----------|---|------------------|--------------------------------|-------------------|--------------|---------------------|-----------------|---|
| PU Tape | Protects bending tools and metal parts against abrasion, small scratches; helps reduce maintainance or exchange cycles. | 150 µm to 360 µm | 624 cN/cm Aluminium: 515 cN/cm | Clear transparent | Polyurethane | Long ageing acrylic | Very good | |

* Apart from the described mechanical prooperties, all foil types protect your sheets/coils/products during handling, storage and transportation.
** MD= machine direction

Individual customer print possible from 50,000 m² on request.



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