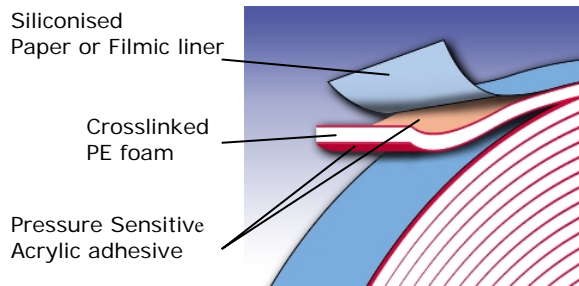


Norfix[®] Optical Foam Tapes



Norfix[®] Lens pad Products

High shear acrylic adhesive tapes manufactured with high density foam. The products have been designed specifically for lens grinding/blocking applications which use a wide range of different equipment types.

The foam is a high quality Polyolefin with excellent dimensional tolerances and excellent key to the adhesive surface. The thickness and density range has been chosen to offer the best internal strength and resistance to elongation and rotational forces. The foam allows the adhesive pad to conform to the contours of the lens materials to give a secure bond during the grinding process.

The acrylic adhesives combine excellent adhesion from very smooth surfaces such as glass and coated plastics whilst still being completely peelable after use. The high adhesive coatweight allows good initial adhesion levels which build over time. The highly crosslinked adhesives offer high resistance to many chemicals and solvents and have a wide service temperature range. A differential product is also available for applications where adhesion levels need to be increased from the plastic 'button' surfaces.

The product is generally available as a black double sided tape in thickness of 0.8mm, protected by a siliconised PE coated paper or filmic liner. Diecut parts are available on request subject to reasonable MOQ's.

High performance PE foam mounting tapes with Acrylic adhesives

Features / Benefits

- Very high shear acrylic adhesive
- High rotational stability and torque resistance
- High adhesion to a wide variety of smooth/low energy surfaces whilst leaving no adhesive residue

Applications

- Lens grinding, blocking and edging pads



Norfix® Lens pad Products - Typical Properties

Colour: Black
 Liner: White PE coated paper / Filmic liner
 Format: Logs/Slit rolls/Diecut parts (Bespoke widths and lengths)
 Useful width of log: Minimum 1000mm

Properties	Test Method		1800	6400
Thickness, mm	AFERA 4006		0.8	0.8
Tensile Strength KPa	AFERA 4004	Average	3800	3800
Elongation %	AFERA 4005	Average	370	370
Water Absorption %		Maximum	1	1
180° Peel Adhesion N/cm	AFERA 4001	Typical	8	9
Dynamic Shear N/cm ²	AFERA 4024	Typical	100	95
Tensile Adhesion N/cm ²		Typical	100	100
Static Shear Adhesion 2kg Hours	AFERA 4012	Minimum	100	100
Service Temperature °C		Long Term	-40 to +100	-40 to +90

The product must be stored in its original packaging in a clean, dry, well ventilated area and under these conditions the shelf life will be a minimum of 12 months.

To promote an adequate bond, the two surfaces must be clean and dry, cleaning with a mixture of 50/50 water and IPA has been found to be adequate. Low temperatures at the time of application may increase the possibility of condensation on the surface, which will reduce the final bond strength.

The adhesive is pressure sensitive, we therefore recommend the application to be carried out at a minimum of 15°C with as high a pressure as your process allows, (a minimum of 1 Bar pressure is recommended)

Norfix® is a registered trademark

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The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions.

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www.norfix.saint-gobain.com
 www.norglaze.saint-gobain.com