

## OP6400 SERIES

### High performance PE foam mounting tapes with acrylic adhesive Lens Pad Product

High shear acrylic adhesive tape manufactured with high density foam. The product has 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 high 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 and will aid the removal of the pad from the lens after use.

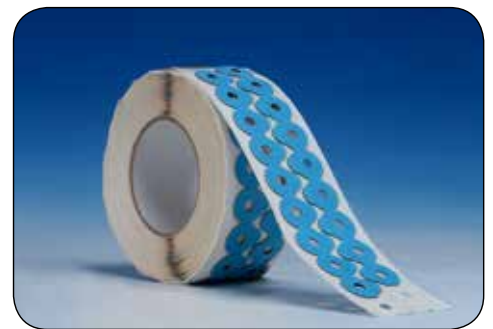
The acrylic adhesive combines excellent adhesion from very smooth surfaces such as glass and coated plastics, whilst still being completely peelable after use. The high adhesive coatweight allows good initial adhesion levels which build over time.

The highly crosslinked adhesive offers high resistance to many chemicals and solvents and has 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 0.8 mm, protected by a siliconised PE coated paper or filmic liner. Die-cut parts are available on request subject to reasonable MOQ's.

### Features & Benefits

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



### APPLICATIONS

- Lens grinding, blocking and edging pads

**Norbond OP6400 Series – Properties**

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Colour:	Black
Liner:	White PE coated paper / Filmic liner
Standard thicknesses:	0.8 mm
Useable width of log:	Minimum 1000mm
Format:	Logs, jumbo logs, slit rolls, die-cut parts (bespoke widths and lengths)

Property	Test Method		Value
Tensile strength, kPa	AFERA 4004	Average	3800
Elongation at break, %	AFERA 4005	Average	370
Water absorption, %		Maximum	1
180°C Peel adhesion, N/cm	AFERA 4001	Typical	9
Dynamic shear, N/cm <sup>2</sup>	AFERA 4024	Typical	95
Tensile adhesion N/cm <sup>2</sup>		Typical	100
Static shear adhesion, 2kg, hours	AFERA 4012	Minimum	100
Service temperature, °C		Long term	-40 to +90

**Important Instructions**

- 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).



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