Tunpak® recycled polyethylene sheet is an extremely suitable material for use as a packer between tunnel segment rings, and has been used for this purpose on many major projects throughout the world. The Tunpak® recycled polyethylene sheet is processed into packers by Tunnelling Accessories Ltd at their factory in St Leonards on Sea, UK.

And is available in the following standard thickness: 2mm, 3mm, 6mm, 9mm & 12mm

Other thicknesses could be available depending on quantity required

Tunpak®

Material has the following qualities:

- **Durable**
- **Non toxic** – chemically inert
- **Acid and chemical resistant** – will resist most chemicals found
- **Minimal compression under load** – with 100% material thickness recovery on removal of load
- **Rot proof** – non bio degradable and approved for use in potable water environments

Unique to Tunnelling Accessories Tunpak® has been used on numerous Major projects including:

- Lee Tunnel Project   2011-2012
- Legacy way project, Australia  2011-2012
- Panama metro, South America  2011-2012
- Madrid Metro  2000-2009
- Barcelona Metro  2003-2010
- Bologna Metro, Italy  2003-2004
- Tunjuelo Canoas, Columbia  2010-2011
- Thames Water Mains, London  1990-1995

**Tunpak® Packers**

Available with or without adhesive backing

**Tunnelling Accessories Ltd**

Sidney Little Road
Churchfields Industrial Estate
St Leonards on Sea
East Sussex TN38 9PU
Phone: 01424 854112
Fax: 01424 854231
The compressive qualities of Tunpak® make it the ideal medium for relieving the stresses between concrete tunnel linings and therefore preventing cracking and spalling. Tunnelling accessories can design and manufacture packing's to suit any tunnel lining in a variety of thicknesses.

Tunpak® is non Biodegradable making it the ideal product where design life is an issue and is approved for use in potable water environments.

**Performance**

**TUNNEL RINGS**

Tunpak® is the ideal medium for relieving the stresses between concrete tunnel linings and therefore preventing cracking and spalling. Tunnelling accessories can design and manufacture packing's to suit any tunnel lining in a variety of thicknesses.

Tunpak® is non Biodegradable making it the ideal product where design life is an issue and is approved for use in potable water environments.

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**Technical Data**

- **Density**: 945 kg/m³
- **Tensile Strength (Mpa)**: 9.5 N/mm²
- **Elongation at break**: 180% minimum
- **Flexural yield strength (Mpa)**: 9.3 N/mm²
- **Flexural Modulus (Mpa)**: 410 N/mm²
- **Unnotched charpy impact strength**: No break
- **Thermal conductivity**: 0.361 W/m.k
- **Linear thermal expansion**: 0.25mm/m°C
- **Surface spread of flame**: Class 3

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Product/Service Information

The T A Group are also agents for overseas companies supplying specialised equipment and materials. Other products available include joint packers, secondary seals, entry/exit seal and interjack seals for pipe jacking projects and Bullflex a versatile shutting system for TBM and shaft sinking projects, made of toughened geotextile.

Check out our website @ [Www.Tagroupuk.com](http://Www.Tagroupuk.com)