



Technical Data Sheet

Description

Tek-Backing Rod is a polyethylene foam supplied in cord form for use as a backup material for joint sealants. It is a light and durable material with excellent shock absorbing and heat insulating properties. It has high resistance to weathering and chemicals and water repellent. It protects against inorganic chemicals and gasoline.

Advantages

- Cost effective
- Easy to lay
- Excellent chemical resistance and absorption
- Unaffected by climatic fluctuations

Uses

Tek-Backing Rod is used as gasket and sealant material in;

- Window and sash frames
- Glass reinforcement
- Window frames and joints in automobiles, trains etc.
- Joints in storing reservoirs, swimming pools, dams, sewage systems
- Joints in runways, highways etc
- Heat insulation for building and industrial purpose.
- Packing and adhesive tapes

Color

White and grey

Shelf Life

Shelf life is indefinite, when stored in cool and dry conditions

Application

Normally fit by pushing the backing rod into a joint using a blunt tool to avoid damage to the cord. The diameter of the cord should be approximately 25% greater than the width of the joint so that the cord fits tightly in the joint, allowing a firm backing and ensuring a correct width-to-depth ratio for sealant.

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POLYMER PROPERTIES	VALUE	UNIT	TEST METHOD
Melt Flow Index	3.3 - 3.8	g/10 min.	ASTM D-1238, ISO 1133
Density @ 23° C	0.922 - 0.924	g/cm ³	ASTM D-1505, ISO R1183
Crystalline Melting Point	111	°C	ASTM D-2117, ISO 3146
Vicat Softening Point	93	°C	ASTM D-1525, ISO R306

FILM PROPERTIES	VALUE	UNIT	TEST METHOD
Tensile strength @ Yield			
MD	12	MPa	ASTM D-882, ISO 1184
TD	10		
Tensile strength @ Break			
MD	19	MPa	ASTM D-882, ISO R1184
TD	21		
Elongation at Break			
MD	450	%	ASTM D-882, ISO R1184
TD	550		
Impact strength	160	g	ASTM D-1709
Coefficient of friction	.09		ASTM D-1894, ISO R8295
Haze	8	%	ASTM D-1003
Gloss @ 60°C	100	gu	ASTM D-2457
Clarity	70	%	ASTM D-1746

Packing

Tek-Backing Rod is available in rolls as below

6mm	1000 meters
10mm	1000 meters
15mm	500 meters
20mm	400 meters
25mm	200 meters
30mm	100 meters
40mm	100 meters
50mm	50 meters

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

There is no health hazard associated with **Tek-Backing Rod**.

Reference #	TDS / STC /TBR
Issue Date:	06/2012
Revision #	1

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