

# WGY HDPE Heat Shrink Wrap

Technical Data

DS 923 E 1010



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### HDPE Heat Shrink Wrap for tight protections

<b>Kind of Products</b>	Thin wall smooth wrap lined with glue is mainly used in corrosion protection and repair of damaged sections of all kind of pipe materials e.g. HDPE, PP, steel, ductile iron. Convenient installation, easy operation and reliable usage properties. Good resistance upon mechanical damage and liquid pressure. Excellent sealing property
<b>Norm</b>	No norms available
<b>Standard Wrap Width</b>	Delivered in standard wrap width of 100, 150, 200 and 250 mm. Other sizes on request. Wall thickness 2.5 mm
<b>Standard Wrap Length</b>	Delivered in standard rolls of 10, 15 and 20 m. Other length on request
<b>Material Properties</b>	Polyethylen acc ASTM D 3350 PE 344443 C with density of 0,94 g/cm <sup>3</sup> at 23°C, cross linked and shrinkable. Tensile Strength acc ASTM D 638 of 19 MPa. Elongation 600%. Stress Failure no cracks after 1000 Hrs. Brittle Temp -65°C. Softening Point 91°C. Special non-toxic glue nitrate free and chloride-free suitable for sensitive steel applications
<b>Colors</b>	HDPE black. Other colors on request
<b>Product Properties</b>	Shrinkable with flame Shrinkage about 60% of initial ID size Peel Strength PE/Steel 116 N/cm. PE/FBE 102 N/cm. PE/PE 80 N/cm. Lap Shear 0.4 N/mm <sup>2</sup> . Pressure tightness on HDPE to HDPE and PP to PP pipe connection of 100 mbar without lost Excellent corrosion protection properties Minimum fully recovered thickness of 1,8 mm after shrinkage
<b>Shrinking Operation</b>	In order to obtain best possible results, the surface of the connecting materials have to be clean and dry. Dry weather conditions during shrinkage operation required of course. Big pipe sizes and cold weather conditions effect longer heating period. For pipe sizes bigger 400 mm shrinkage operation with 2 persons should be considered. Heat Treatment is made using a soft flame licking the heat shrink wrap surface starting in the centre towards the edges unless the glue will show up to leak out and the wrap will be tight-fitting. The 'delay effect' will accumulate heat shrinkage still after finished heating. Let cool down the wrap to surrounding temperature before treatment. Avoid to fast heating noticeable by 'blue' glossy surface effect. Avoid 'waves' and 'lips' at the wrap ends resulting on too fast and too much heating
<b>Accessories</b>	Standard accessories to be used for gas pipes available
<b>Packing</b>	Each wrap supplied with inside protection foil for the glue
<b>Storage</b>	Storage temperature max 40°C. Storage preferred indoor.
<b>Options</b>	Heat Shrink Pipes for longitudinal force locked applications. Heat Shrink Sleeves for standard protection.

Contact us for more details