

Flexible hose innovation with LYB Akoaflex

Next generation material addressing demanding drinking water regulations



Product benefits:

Why choose LYB PB-1 for flexible hoses?

- Outstanding kink resistance and mechanical strength
- Suitable for potable water and sanitary applications
- Contains no plasticizers
- Can be processed on existing extrusion equipment

Typical applications:

- Shower hoses
- Armored connection tubes

Engineered for performance, safety and sustainability

LyondellBasell Polybutene-1 (PB-1) pressure pipe materials have a strong track record in the building & construction segment for its outstanding performance in potable water plumbing and heating pipes. A newly developed material is introduced for flexible tubing such as shower hoses and armoured flexible connection tubes. The portfolio offers a reliable and sustainable alternative to traditional materials like plasticized PVC and rubber.

Product portfolio highlights

Grade	MFR 230°C / 2,16kg	Shore A	Flexural Modulus (23°C)
Akoaflex MR05 B40	2,6	86,6	40
Akoaflex MR05 P40	2,5	>90,0	66

About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit www.lyb.com or follow [@LyondellBasell](#) on LinkedIn.

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