



POLYLABS™

BIO POLYOL UPT 180

Premium

Advancing Sustainable PU Production

Technical Data Sheet

Bio Polyol UPT 180 Premium, a polyester linear polyol derived from forestry industry by-products, revolutionizes eco-friendly foam production. Tailored for PU foam production and other applications, it combines technical prowess with environmental responsibility.

Key advantages:

- Bio carbon content 74 %.
- Primary OH groups.
- Excellent Compatibility: effortlessly blends with n-pentane, iso-pentane, and cyclopentane as well as with amine catalysts, flame retardants, and HFO blowing agents.
- Low Carbon Footprint: Contributes to sustainability efforts, radically reducing CO₂ footprint.
- Green production in an eco-friendly process with no VoCs.

Technical properties	Value	Measurement unit	Based on method
CO ₂ footprint	-0.33	kgCO ₂ /kg	Internal CO ₂ calculation
Bio carbon content	74	%	Estimation
Hydroxyl number	170 - 190	mgKOH/g	DIN 53240
Acid number	< 5	mgKOH/g	DIN 53402
Density at 20°C	1000	kg/m ³	DIN 51757
Viscosity at 25 °C	450 - 650	mPa·s	DIN 53015
Functionality	2.0		Estimation
Water content	< 0.2	wt.%	DIN 51777
Shelf life	Shelf Life of 6 months for packaged material stored at ambient temperatures of < 30°C.		
Storage	Bio Polyol UPT 180 Premium is hygroscopic. The container should be sealed at all times unless discharging.		

Bio Polyol UPT 180 Premium stands as a pioneering solution that unites technical excellence and ecological mindfulness, forging a greener and safer path for foam production.

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