BIO POLYOL UPT 130

Advancing Sustainable PU Production

POLYLABS™

Technical Data Sheet

Bio Polyol UPT 130, a polyester linear polyol derived from forestry industry by-products, revolutionizes eco-friendly foam production. Tailored for rigid PUR/PIR thermal insulation foam and other applications, it combines technical prowess with environmental responsibility.

Key advantages:

- Bio carbon content up to 63%.
- Primary OH groups.
- Excellent Compatibility: effortlessly blends with n-pentane, iso-pentane, and cyclopentane as well as with amine catalysts, flame retardants, HFO blowing agents.
- Low Viscosity: Facilitates smooth processing and homogeneous blending.
- Halogen-Free, Flame Retardant free.
- Low Carbon Footprint: Contributes to sustainability efforts, radically reducing CO_2 footprint.
- Green production in an eco-friendly process with no VoCs.

Technical properties	Value	Measurement unit	Based on method
Bio carbon content	up to 63 %		Estimation
Hydroxyl number	125-135	mgKOH/g	DIN 53240
Acid Value	< 5	mgKOH/g	DIN 53402
Density at 20°C	1040	kg/m3	DIN 51757
Viscosity at 25 °C	970	mPa·s	DIN 53015
Functionality	2.0		Estimation
Water content	< 0.2	wt.%	DIN 51777
Avg. molecular weight	750-950	Da	GPC
Shelf life	Shelf Life of 6 months for packaged material stored at ambient temperatures of < 30°C.		
Storage	Bio Polyol UPT is hygroscopic. Container should be sealed at all times unless discharging.		

Bio Polyol UPT 130 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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