BIO POLYOL EGT 280

Advancing Sustainable PU Production

POLYLABS™

Technical Data Sheet

Bio Polyol EGT 280 is a polyester linear polyol derived from forestry by-products that do not compete with food supply chains, 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 89 %.
- Low Carbon Footprint: Contributes to sustainability efforts, radically reducing CO2 footprint.
- Second-generation raw materials, not competing with food chains.
- Primary and secondary OH groups.
- Green production in an eco-friendly process.

Technical properties	Value	Measurement unit	Based on method
CO_2 footprint	-1.03	$kgCO_2eq/kg$	Cradle-to-Gate
Bio carbon content	89	%	Estimation
Hydroxyl number	260 – 300	mgKOH/g	DIN 53240
Acid number	< 5	mgKOH/g	DIN 53402
Density at 20°C	960	kg/m^3	DIN 51757
Viscosity at 25 °C	320 – 420	mPa·s	DIN 53015
Functionality	2.0		Estimation
Water content	< 0.2	wt.%	DIN 51777
Avg. molecular weight	300 – 500	Da	GPC
Shelf life	Shelf Life of 6 months for packaged material stored at ambient temperatures of < 30°C.		
Storage	Bio Polyol EGT 280 is hygroscopic. Container should be sealed at all times unless discharging.		

The CO_2 footprint provided is based on a Cradle-to-Gate assessment, including raw material sourcing, transportation, and production emissions.

Carbon footprint includes biogenic CO_2. Calculations excluding biogenic CO_2 are available upon request, in accordance with customer requirements.

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