BIO POLYOL UPT F 65

Advancing Sustainable PU Production

POLYLABS™

Technical Data Sheet

Bio Polyol UPT F 65, a polyether - polyester branched 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 51 %.
- Primary and secondary OH groups.
- Second-generation raw materials, not competing with food chains.
- Low Carbon Footprint: Contributes to sustainability efforts, radically reducing CO_2 footprint.
- 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	51	%	Estimation
Hydroxyl number	55 – 75	mgKOH/g	DIN 53240
Acid number	< 5	mgKOH/g	DIN 53402
Density at 20°C	1050	kg/m^3	DIN 51757
Viscosity at 25 °C	2500 – 2900	mPa·s	DIN 53015
Functionality	3.5		Estimation
Water content	< 0.2	wt.%	DIN 51777
Avg. molecular weight	2800 – 3200	Da	GPC
Shelf life	Shelf Life of 6 months for packaged material stored at ambient temperatures of < 30°C.		
Storage	Bio Polyol UPT F 65 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.

PolyLabs SIA, 46 Mukusalas street, Riga, LV-1004, Republic of Latvia, EU www.polylabs.eu