

# TECHNICAL DATA SHEET

## POLYGREEN F9750

***Breakthrough Bio Polyol - PolyGreen's first ever rapeseed oil blend***  
***Improved viscosity, enhanced performance***

### Description :

As a key driver in bio-polyol development, PolyGreen continuously innovates to meet the increasing demand for renewable bio-polyols in the polyurethane market.

F9750 is our new rapeseed oil blend bio-polyol for flexible slabstock foam applications. The new blend of plant based oils enhances the foam's processing and performance – improving the foam's natural flame retardancy and glass transition temperature in viscoelastic foams.

Achieving a high bio-content of >98%, F9750 can partially replace synthetic polyols with a Molecular Weight of 3,000 and 3,500. With this latest development in our plant-oil blend technology, PolyGreen supports its customers goal in manufacturing foams with a renewable content of **up to 25%**

### Specification of POLYGREEN F9750 :

Properties	Test method	Range/Value
Gardner	AOCS TD 1a-64	2.0
Hydroxyl Number, mg KOH/g	AOCS CD 13-60	115 - 125
Viscosity, mPa.s @ 25°C (77°F)	ASTM D 4878	1,000 – 1,200
pH	pH Meter	6.5 - 7.5
Water, %	AOCS Ca2e-84	< 0.15

### Shelf Life

If stored under proper storage conditions and below 40 deg C

- 12 months in closed packaging
- 6 months when stored in bulk

Expected Bio Content: 99% (according to ASTM D6866-12)

Polygreen's Bio-based Polyols have been tested according to OECD 423 and OECD 404 by TUV-PSB, an independent laboratory in Singapore, and were classified as **non-toxic and non-irritant**.

NOTICE: All of the above properties, are accurate to our best knowledge at the time of publication. It is the obligation of the user to test the product for its suitability in the user's intended application. Since the conditions of use of this information or any material supplied are beyond our control, all recommendations or suggestions are made without guarantee, express or implied on our part.

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