

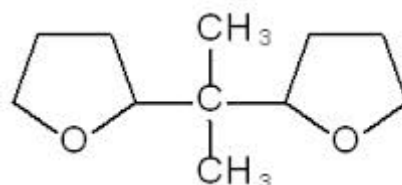
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## POLARAD - DTHFP

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### POLARAD - DTHFP

Chemical Name: Ditetrahydrofurfurylpropane(DTHFP)  
CAS No.: 89686-69-1



### Technical data

#### Specifications

Appearance	Clear liquid
Assay, % min	98.0
Moisture, % max	1.0

#### Property

Molecular weight	184.28
Solubility in water at 20°C, g/100g	7.31 g/l
Flash point (Tag closed cup),°C	105
Boiling point °C	244
Density 20°C g/cm <sup>3</sup>	0.995

### Applications

Ditetrahydrofurfurylpropane (DTHFP) is used as a catalyst modifier in the manufacture of high vinyl content rubber for high performance tyres. As a coordinating ether, DTHFP affects the structure and the reactivity of the organolithium catalysts resulting in an increase of the vinyl content in the final product. Polybutadiene rubbers with high-vinyl contents exhibit both low heat build-up and high wet skid resistance that makes them specifically suited for passenger car tyres from the viewpoint of low fuel consumption and safety of car driving. Compared to other catalyst modifiers, DTHFP allows polymerization at higher temperatures, which results in higher conversion rates and shorter batch cycles. In addition, due to its low volatility, when used in manufacture of s-SBR (solution styrene butadiene rubber), DTHFP provides advantages in the recycling and purification of the solvent used in the polymerization.

### Packaging

Available packaging: 200KG steel drums