

<b>TECHNICAL DATA SHEET</b>
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Ref.name: T/PEN  
Rev.no.: 01  
Date: 11-01-2016

## PENTAMER

**PRESENTATION:**

Pentamer is a branched olefin produced by the polymerization of propylene. Pentamer is also referred to as propylene pentamer. It is preferred name for branched C<sub>15</sub> olefin.

**APPLICATIONS:**

Pentamer is used for solvent applications and or carrier fluids (e.g. drilling fluids) and as a supplement or replacement for tetramer. Other applications are the production of alkylphenols, alkenylsuccinic anhydride, mercaptans, alcohols and for alkylation of benzene. Pentamer can be used as a synthetic base oil, a refrigeration fluid and as an intermediate for further reaction (e.g. sulphonation)

**TYPICAL PROPERTIES :**

PROPERTY		UNIT	TYPICAL	TEST METHOD
Density at 20 °C		g/cm <sup>3</sup>	0,797	ASTM D 4052*
Boiling Range (at 760 mm Hg)		IBP	> 210	ASTM D 1078*
		DP	< 300	
Sulphur		mg/kg	< 5	ASTM D 5453*
Carbon Distribution	≤ C14	wt %	< 4	GC *
	C15	wt %	88 – 92	
	≥ C16	wt %	< 8	

\*or equivalent method

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