

<b>TECHNICAL DATA SHEET</b>
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## PYGAS (Pyrolysis gasoline)

**PRESENTATION:**

Pygas or pyrolysis gasoline is a naphtha-range mixture which contains aromatics, olefins and paraffins ranging from C5s to C12s. It has a high octane number. It is a by-product of high temperature naphtha/propane/gasoil cracking during ethylene and propylene production.

**APPLICATIONS:**

Pygas is generally used as a gasoline blending mixture due to its high octane number. Benzene rich pygas streams are used as feedstock for the aromatic (benzene) extraction process.

**TYPICAL PROPERTIES**

PROPERTY		UNIT	TYPICAL	TEST METHOD
Density at 20 °C		g/cm <sup>3</sup>	0.8065	ASTM D 4052*
Dry vapour pressure at 100 F		bar	0.63	ASTM D 5191*
Gum washed		mg/100ml	83	ASTM D 381*
Distillation	IBP	°C	36.5	ASTM D 86*
	FBP	°C	183	ASTM D 1078*
Sulphur		% wt	120	ASTM D 2622*
Chlorine (organic)		mg/kg	< 5	UOP 779*
RON			97	ASTM D 2699*
MON			87	ASTM D 2700*
Benzene		% wt	40.6	ASTM D 6563

\*or equivalent method

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