

LG Chemical IP-40

Category : Fluid

Material Notes:

Structure & Characteristics: C₅H₁₀. A ring-structured saturated hydrocarbon. Present in naphtha pyrolysis oil and is obtained by distillation followed by isolation of n-pentane extraction remnants or C₅ products. Uses: As a polyurethane foaming agent, it is increasingly used in place of Freon foaming agent. CAS: 78-78-4 and 109-66-0 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-IP-40.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.620 - 0.650 g/cc	0.620 - 0.650 g/cc	15.6/15.6Å°C; ASTM D287
Volatiles	100 %	100 %	n-Pentane
	100 %	100 %	Iso-Pentane
Vapor Pressure	0.568 bar @Temperature 20.0 Å°C	426 torr @Temperature 68.0 Å°F	Vapor Density=2.48, n-Pentane
	0.793 bar @Temperature 20.0 Å°C	595 torr @Temperature 68.0 Å°F	Vapor Density=2.48, Iso-Pentane

Thermal Properties	Metric	English	Comments
Melting Point	-160.5 Å°C	-256.9 Å°F	Iso-Pentane
	-130.5 Å°C	-202.9 Å°F	n-Pentane
Boiling Point	28.0 Å°C	82.4 Å°F	Iso-Pentane
	36.0 Å°C	96.8 Å°F	n-Pentane
Flash Point	>= -49.0 Å°C	>= -56.2 Å°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	260Å°C	
Components	AROMATICICS	<20 ppm
	Aromatics	<20 ppm
	Benzene	<20 ppm
	BENZENE	<20 ppm

Descriptive Properties	H ₂ O Value	>100 ppm Comments
	H ₂ O	<100 ppm
	iso-Pentane	38-42%
	ISO-PENTANE	37-43%
	n-Pentane	46-54%
	Sulfur	<1 ppm
	SULFUR	<100 ppm
	total olefin	<400 ppm
	TOTAL OLEFINS	<400 ppm
	total-Pentane	>97%
	T-PENTANE	>97%
Cu Corrosion	1	

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