

The Chemical Company VESTINOL® 9 Diisononyl Phthalate, C₆H₄(COOC₉H₁₉)₂

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Diisononyl Phthalate (DINP) C₆H₄(COOC₉H₁₉)₂, is a clear, colorless, and almost odorless liquid chemical. It is soluble in most organic solvents. DINP is primarily used as a PVC plasticizer. As compared to DOP, the low volatility and better durability of DINP significantly reduces the fume emissions during the processing procedure and improves its permanence in the final product. DINP is a mixture of isomers that have alkyl chains from 7 to 9 carbons long, but the largest portion of the mixture have chains composed of 8-carbon in length (a.k.a. isononyl alcohol). DINP is a general purpose plasticizer with a broad range of applications used in flexible PVC. It is widely used in the toy, construction, and general consumer product markets. It has limited use in food packaging and is not used in medical applications. Information provided by The Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_The-Chemical-Company-VESTINOL-9-Diisononyl-Phthalate-C6H4COOC9H192.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.972 - 0.977 g/cc	0.972 - 0.977 g/cc	DIN 51 757/ASTM D4052
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brookfield Viscosity	72 - 82 cP	72 - 82 cP	DIN S3015/ASTM D445
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.484 - 1.488	1.484 - 1.488	DIN 51 423/2/ASTM D1045

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.040	<= 0.040	mg KOH/g; DIN EN ISO 3628/ASTM D1045

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.050 %	<= 0.050 %	Percent by mass; DIN 51 777/ASTM E 203

Descriptive Properties	Value	Comments
Appearance	Clear and free of suspended matter	
Assay	= 99.6%	Degussa-Hüls
Hazen Color Value (pt-co)	< 40	Mg Pt/I, DIN ISO 6271/ASTM D1209

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