

The Chemical Company ChemFlexx™ DOA C22H42O4

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Chemflexx DOA is a Dioctyl adipate (DOA) plasticizer. DOA is an ester of 2-ethylhexanol and adipic acid. It is a low-toxicity, biodegradable, light colored, oily liquid generally used as a plasticizer for PVC. The compound is sometimes blended with other plasticizers such as DOP and DOTP. Chemflexx DOA features flexibility at low temperatures, good electrical properties, resistance to weathering, and good stability to heat. The product is used to manufacture clear food packaging films, children's toys, wire and cable. Molecular Formula:

C22H42O4 Information provided by The Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_The-Chemical-Company-ChemFlexx-DOA-C22H42O4.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.925 - 0.929 g/cc	0.925 - 0.929 g/cc	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Brookfield Viscosity	12.96 cP	12.96 cP	
	@Temperature 68.0 °C	@Temperature 154 °F	

Thermal Properties	Metric	English	Comments
Flash Point	206 °C	403 °F	
	242 °C	468 °F	fire point

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.010	<= 0.010	parent acid %

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.050 %	<= 0.050 %	Weight percent

Descriptive Properties	Value	Comments
Alcohol Content	< 100ppm	
Appearance	Clear and free of suspended matter	
Assay	> 99.5%	
Hazen Color Value (pt-co)	< 15	

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