

## PolyOne Synplast™ DOA-FDA Di (2-ethylhexyl) Adipate

Category : Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

Branched C8 adipate ester Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Synplast-DOA-FDA-Di-2-ethylhexyl-Adipate.php](http://www.lookpolymers.com/polymer_PolyOne-Synplast-DOA-FDA-Di-2-ethylhexyl-Adipate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.919 - 0.925 g/cc	0.919 - 0.925 g/cc	ASTM D4052
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	12.1 cSt	12.1 cSt	ASTM D445
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity at 40°C (104°F)	7.6 cSt	7.6 cSt	ASTM D445
	@Temperature 40.0 °C	@Temperature 104 °F	
Kinematic Viscosity at 100°C (212°F)	2.3 cSt	2.3 cSt	ASTM D445
	@Temperature 100 °C	@Temperature 212 °F	
Molecular Weight	370 g/mol	370 g/mol	Theoretical
Vapor Pressure	0.00307 bar	2.30 torr	
	@Temperature 200 °C	@Temperature 392 °F	
ASTM Color	25	25	Pt-Co Scale, Maximum; ASTM D1209

Thermal Properties	Metric	English	Comments
Pour Point	-65.0 °C	-85.0 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.45	1.45	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	<= 0.10	<= 0.10	[mg KOH/g]; ASTM D1045

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	ASTM D1533

Descriptive Properties	Value	Comments
Appearance	Clear, clean	ASTM D2090
	Clear/Transparent	
Ester Content	99%	ASTM D3465; Minimum
Forms	Liquid	
Generic Material	Di (2-ethylhexyl) Adipate	
Generic Name	Di (2-ethylhexyl) Adipate	
Processing Method	Compounding	
	Plastisol	
Regional Availability	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Adhesives	
	Film	
	Footwear	
	Gaskets	

## Contact Songhan Plastic Technology Co.,Ltd.

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