

## PolyOne Synplast™ 810TM-E Tri (n-octyl, n-decyl) Trimellitate

Category : Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

Linear C8-C10 trimellitate ester with antioxidant Contains 0.10-0.15 wt% 1,1,3-Tris (2-methyl-4hydroxy-5-t-butyl phenyl) butane antioxidant Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Synplast-810TM-E-Tri-n-octyl-n-decyl-Trimellitate.php](http://www.lookpolymers.com/polymer_PolyOne-Synplast-810TM-E-Tri-n-octyl-n-decyl-Trimellitate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.968 - 0.974 g/cc	0.968 - 0.974 g/cc	ASTM D4052
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity	114 cSt	114 cSt	ASTM D445
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Kinematic Viscosity at 40°C (104°F)	52 cSt	52 cSt	ASTM D445
	@Temperature 40.0 °C	@Temperature 104 °F	
Kinematic Viscosity at 100°C (212°F)	8.0 cSt	8.0 cSt	ASTM D445
	@Temperature 100 °C	@Temperature 212 °F	
Molecular Weight	591 g/mol	591 g/mol	Theoretical
ASTM Color	100	100	Pt-Co Scale, Maximum; ASTM D1209

Optical Properties	Metric	English	Comments
Refractive Index	1.48	1.48	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.020	<= 0.020	wt% as TMA; 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		ASTM D3465

Descriptive Properties	Value	Comments
Forms	Liquid	
Generic Material	Tri (n-octyl, n-decyl) Trimellitate	
Generic Name	Tri (n-octyl, n-decyl) Trimellitate	
Processing Method	Compounding	
Regional Availability	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Cable Jacketing	
	Insulation	
	Wire & Cable Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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