

Product Description

Linear C8/10 trimellitate
CAS no 90218-76-1

Trimellitate esters are available in a wide range of viscosities, low pour points, low volatility, low carbon residues and good oxidation properties. For these reasons they are typically used in high temperature applications such as reciprocating air compressor oils and paint chamber chain lubricants etc.

Sales Specifications

Properties	Units	Specifications	Typical values	Test Method
Appearance	-	Clear liquid	Clear Liquid	Visual
Colour	Hazen	80 max	-	
Ester content	%wt	99.0 min	-	GC
Water content	%wt	0.1 max	-	
Free alcohol content	% wt	0.1 max	-	
Density @ 20°C	g/ml	0.970 - 0.976	-	ASTM D1298
Acid Value	mgKOH/g	0.1 max	-	ASTM D974
Refractive Index	n20D	-	1.483	
Flash point COC	°C	-	>200	ASTM D92
Pour point	°C	-	-48	ASTM D97
Viscosity 40°C	cSt	49 - 54	52	ASTM D445
Viscosity 100°C	cSt	-	8.1	ASTM D445
Viscosity Index	-	84 min	-	ASTM D445
Boiling Range Distribution				
IBP	°C	-	449	ASTM D2887
50%	°C	-	525	ASTM D2887
FBP	°C	-	>538	ASTM D2887
Volatility 205°C / 6 hrs / wt loss	%wt	-	2.28	ASTM D972
Noack	%wt	-	1.40	CEC L-40-A
Conradson Carbon Residue	%wt	-	0.21	ASTM D189
Oxidation stability				
RPVOT		refer to Knowledge Bank		ASTM D2272
Dry TOST		refer to Knowledge Bank		ASTM D943
Anti-oxidant selection		refer to Knowledge Bank		ASTM D943

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