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Typical Product Specifications & Properties

Diethyl Phthalate

CAS Number: : 84-66-2

Specifications	Limits
Density	1.120 (2525 c)
Viscosity	31.3 cs (0 c)
Molecular weight	222.2
Moisture	0.20% max
Color (Pt-Co scale)	10 max
Odor	Practically odorless
Acidity	0.015% max
Assay of total esters (C ₁₀ H ₂₂ O ₂)	99.5% min
Appearance	Clear mobile liquid
Boiling Point	296°C
Freezing Point (°C)	-40°C
Flash Point	152°C



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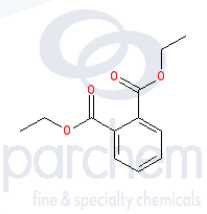
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Specifications	Limits
Refractive index nD at 20°C	1.5020
Specific gravity 20/20 deg C	1.117 - 1.121
Solubility in water at 20°C	0.1%
Evaporation Rate	@100°C 0.61mg/cm2/hr
Vapor Pressure	@25°C 0.01mmHg @150°C 8.5mmHg
Viscosity	@25°C 10.0cps
Boiling Water Satbility	(% hydrolized after 96 hours) : 0.1067
Auto Ignition Temp	457°C
Insolubility	in water
Refractive Index	1.500-1.505
Chemical Structure	 <p>The chemical structure shows a central benzene ring substituted with a propyl ester group (-COOCH2CH2CH3), a methyl ester group (-COOCH3), and a propyl ether group (-OCH2CH2CH3).</p>



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