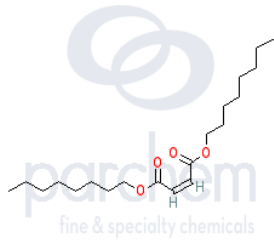


## Typical Product Specifications & Properties

# Diethyl Maleate

CAS Number: : 142-16-5

Specifications	Limits
Density	0.9436 (2020 c)
Color (APHA)	<= 40
Refractive Index	1.444 - 1.456 (27°C)
Volatile Loss	<= 0.2% (at 130°C, 3 hrs)
Ester Value	327 - 333 mg KOH/g
Acidity	<= 0.02% (as Maleic Acid)
Moisture	<= 0.1%
Specific gravity	0.94 - 0.96 (27°C)
Heat Stability	<= 50 HU (180°C, 2 hrs)
Insolubility	in water
Melting Point	-60 c
Molecular weight	340.56

Specifications	Limits
Flash Point	365 f
Boiling Point	164 c (10 mm)
Chemical Structure	 <p>The chemical structure shows a long-chain aliphatic ester. It features a decyl chain (10 carbons) attached to an oxygen atom, which is part of an ester group. The ester group is connected to a carbon atom that is also bonded to a hydrogen atom and another oxygen atom. This second oxygen atom is part of another ester group, which is connected to another decyl chain. The structure is overlaid with a watermark logo for 'parchem fine &amp; specialty chemicals'.</p>