



PRODUCT SPECIFICATION

Product: VESTINOL®9 DINP
CAS-No: 28553-12-0
Appearance: Clear, without any visible impurities
Chemical name: Di-iso-nonyl phthalate (DINP)

Specifications:

Property	Value	Unit	Test Method
Color (APHA, Hazen)	30 max	Mg pt/l	DIN ISO 6271 / ASTM D 1209
Dynamic viscosity, 20°C	72 - 82	mPa s	DIN 53 015 / ASTM D 445
Density, 20°C	0.972 - 0.977	g/ml	DIN 51 757 / ASTM D 4052
Refractive index, 20°C	1.484 - 1.488	--	DIN 51 423/2 / ASTM D 1045
Acid number	0.04 max	Mg KOH/g	DIN EN ISO 2114 / ASTM D 1045
Ester content	99.6 min	% (m/m)	Evonik, GC
Water content	0.05 max	% (m/m)	DIN 51 777 / ASTM E 203

Physical Data:

Property	Value (ca.)	Unit	Method
Molar mass	418.6	--	--
Hydroxyl number	0.2	Mg KOH/g	Photometric
Saponification number	265	Mg KOH/g	ASTM D 94/DIN EN ISO 3681
Pourpoint	-54	°C	DIN ISO 3016
Volatility loss (2h/130°C)	0.1	% (m/m)	BS 1995/1953
Flash point	200	°C	DIN EN ISO 2719
Ignition temperature	400	°C	DIN 51 794/ ASTM E 659
Specific heat, 20°C	1.78	kJ/kg K	--
Heat of evaporation @ b.p.	207	kJ/kg	--
Volume resistivity, 20°C	1*10 ¹²	Ohm x cm	DIN IEC 60093
Solution temperature	134	°C	DIN 53 408