



## DOTP Diocetyl terephthalate

- ▶ Plasticizer DOTP is an ester of 2-ethylhexanol and terephthalic acid, which is used as a commercial plasticizer with high dielectric properties, high cold resistance, reduced volatility.
- ▶ Product characteristic: appearance - clear liquid free from suspended substances and mechanical impurities; transportation – in tank containers, recommended grades T11-T22, and road tanks.
- ▶ Guaranteed shelf life – 1 year from the date of production. Storage of the plasticizer is recommended in heated metal tanks to maintain the temperature above 0°C and not higher than plus 40 °C. Storage and transportation of the plasticizer require measures for the protection of the plasticizer from moisture and exposure to direct sunlight.

<i>Parameter</i>	<i>Norm</i>	<i>Test method</i>
Colour, Pt-Co scale, Hazen units, max	<b>15</b>	GOST 8728, para. 3.4 ASTM D 1209
Density at 20 <sup>0</sup> C, g/cm <sup>3</sup>	<b>0.981-0.987</b>	GOST 18995.1 GOST R 57037 ASTM D 4052
Diocetyl terephthalate, %, min	<b>99.0</b>	TS 20.59.56-029-53505711
Acid value, mg KOH/g of the plasticizer, max	<b>0.03</b>	TS 20.59.56-029-53505711
Water, %, max	<b>0.05</b>	GOST 14870, section 2 ISO 760
Volatiles, %, max:	<b>0.10</b>	GOST 8728, para. 3.11
- at 100 <sup>0</sup> C for 6 hours		TS 20.59.56-029-53505711
- at 125 <sup>0</sup> C for 3 hours		
Refractive index:	<b>1.487-1.492</b>	GOST 18995.2
- at 20 <sup>0</sup> C		
- at 25 <sup>0</sup> C	<b>1.487-1.493</b>	TS 20.59.56-029-53505711
Volume Resistivity at 30 <sup>0</sup> C, Ω·cm, min	<b>4·10<sup>11</sup></b>	TS 20.59.56-029-53505711
Flash point, open cup, <sup>0</sup> C, min	<b>220</b>	GOST 4333