



The Chemical Company
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Product Specification - Diisononyl Phthalate

Product VESTINOL 9 Diisononyl Phtalate (DINP)

CAS-No 28553-12-0

Appearance Clear, without any visible impurities

Chemical Name Di-iso-nonyl phthalate (DINP)

Application

The higher molecular weight of DINP brings about less thickening of the plastisol compared with DEHP. This n-butene based low branched grade is noted for achieving a lower viscosity and more pronounced cold flexibility in comparison with customary DINP grades.

Specification

| Property | Value | Unit | Test Method |
|--------------------------------|---------------|-----------|-------------------------------|
| Color (APHA, Hazen) | 40 max. | Mg Pt/l | DIN ISO 6271/ASTM D 1209 |
| Dynamic viscosity, 20°C | 72-82 | mPa s | DIN S3015/ASTM D 445 |
| Density, 20°C ¹ | 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 ¹ | 0.04 max | mg KOH/g | DIN EN ISO 3628 / ASTM D 1045 |
| Ester content, CG ² | 99.6 min | % by mass | Degussa-Hüls |
| Water content | 0.05 max | % by mass | DIN 51 777 / ASTM E 203 |

1) Tested frequently, but not batchwise

2) Compiles with Process Capability Index cpk³ 1