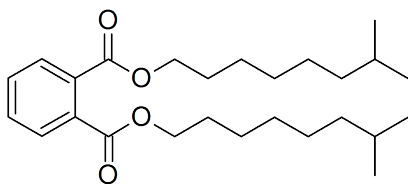


— TECHNICAL DATA SHEET —

MIRAIPLAST – I-900

CHEMICAL NAME	: Diisononylphthalate (DINP)
IUPAC Name	: Bis(7-methyloctyl) Benzene 1,2- dicarboxylate
CAS No.	: 28553-12-0
MOLECULAR WEIGHT	: 418.61
MOLECULAR FORMULA	: C ₂₆ H ₄₂ O ₄
MOLECULAR STRUCTURE -	



PRODUCT SPECIFICATIONS:

CHARACTERISTICS
PHYSICAL STATE
COLOR (Pt-Co)
ESTER CONTENT % BY WEIGHT
ACID NUMBER (mg KOH/g)
SPECIFIC GRAVITY (20°C)
MOISTURE CONTENT (%)
REFRACTIVE INDEX (n ²⁰ D)

VALUE:

OILY CLEAR VISCOUS
LIQUID
30 max
99.5
0.07 max
0.970-0.977
0.05 max
1.484-1.488

TEST METHOD:

VISUAL
ASTM-1209
Gas chromatography
ASTM-D-1045
DIN-51757/D-4052
DIN-51777 PART-1/E-203
DIN-51423/D-1045

TYPICAL PHYSICAL PROPERTIES:

ODOUR
SUBSTITUTION FACTOR
POUR POINT °C
FLASH POINT °C
VISCOSITY @20°C

VALUE

MILD CHARACTERISTIC
1.04
-54
221
Cp-73-81 (ASTM-D-1310)

DESCRIPTION:

Miraiplast-900 ISO (DINP) is a primary branched chain monomeric plasticizer for homo as well as copolymer PVC resin and produced by reacting 7-methyl-octan-1-ol and phthalic anhydride in presence of suitable catalyst.

APPLICATION:

Miraiplast-900 ISO is versatile plasticizer having low volatile loss and good low temperature resistance. Vastly used in making artificial leather, canvas, general purpose underground cables, membrane and water stop strips. Plasticizer is resistant to micro-organisms attack.

SAFETY:

Based on toxicity studies Miraiplast-900 ISO has low order of toxicity and does not require special handling. Handling should be in accordance with good industrial hygiene and safety condition. Avoid eye contact by using protective equipment and also avoid fumes inhaling and continuous skin contact.

SHELF LIFE:

Unlimited if stored in proper storing condition.

PACKAGING:

Available in bulk, drum (200kg) and tanker load.