

Technical Data Sheet

Polydimethylsiloxane

Product Description

PMS medium viscosity oils are linear polydimethylsiloxane polymers with kinematic viscosities of 100, 200, 350, 500,1000 eSt and more.

Silicone oil 120D eSt

Cas no: 63148-62-9

PHYSICAL AND CHEMICAL PROPERTIES

| | Description | Unit | Result |
|--------|-----------------------------------|--------------------|----------------------|
| 1 | Viscosity | cSt | 1000 |
| 2 | Appearance | ---- | Crystal clear ,Fluid |
| 3 | Specific Gravity | 25°c | 0.97 |
| 4 | Refractive Index | 5 | 1.39-1.41 |
| 5 | Surface Tension a | Dynes/cm | 21 |
| 6 | boiling Point | c° | >200 |
| 7 | Volatile Content | % | 0.12 |
| ∧ | Flash point Close cup | – | >200 |
| ∧ | Flash point Open cup | – | >150 |
| ∧ • | Solubility in Tynical Solvents | Aromatic Solvents | High |
| | | Aliphatic Solvents | High |
| | | Water | Poor |
| | | Dry Alcohol | Poor |