

PolyOne Synplast™ 901P-E Di (Nonyl, Decyl, Undecyl) Phthalate

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Linear phthalate ester
 Note: Contains 0.1 - 0.15 wt% 1,1,3-Tris (2-methyl-4-hydroxy-5-t-butyl phenyl) butane antioxidant
 Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Synplast-901P-E-Di-Nonyl-Decyl-Undecyl-Phthalate.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|----------------------|----------------------|----------------------------------|
| Specific Gravity | 0.953 - 0.959 g/cc | 0.953 - 0.959 g/cc | ASTM D4052 |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |
| Kinematic Viscosity | 50 cSt | 50 cSt | ASTM D445 |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |
| Kinematic Viscosity at 40°C (104°F) | 25 cSt | 25 cSt | ASTM D445 |
| | @Temperature 40.0 °C | @Temperature 104 °F | |
| Kinematic Viscosity at 100°C (212°F) | 4.6 cSt | 4.6 cSt | ASTM D445 |
| | @Temperature 100 °C | @Temperature 212 °F | |
| Molecular Weight | 450 g/mol | 450 g/mol | Theoretical |
| Vapor Pressure | 0.0203 bar | 15.2 torr | |
| | @Temperature 200 °C | @Temperature 392 °F | |
| ASTM Color | 25 | 25 | Pt-Co Scale, Maximum; ASTM D1209 |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------|----------|----------|
| Pour Point | -20.0 °C | -4.00 °F | |

| Optical Properties | Metric | English | Comments |
|--------------------|----------------------|----------------------|----------|
| Refractive Index | 1.48 | 1.48 | |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |

| Chemical Properties | Metric | English | Comments |
|---------------------|---------|---------|------------------------|
| Total Acid Number | <= 0.10 | <= 0.10 | [mg KOH/g]; ASTM D1045 |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------|-----------|------------|
| Moisture Content | <= 0.10 % | <= 0.10 % | ASTM D1533 |

| Processing Properties | Metric | English | Comments |
|------------------------|--------------------------------------|---------|---------------------|
| Descriptive Properties | Value | | Comments |
| Appearance | Clear, clean | | ASTM D2090 |
| | Clear/Transparent | | |
| Ester Content | 99% | | ASTM D3465; Minimum |
| Forms | Liquid | | |
| Generic Material | Di (Nonyl, Decyl, Undecyl) Phthalate | | |
| Generic Name | Di (Nonyl, Decyl, Undecyl) Phthalate | | |
| Processing Method | Calendering | | |
| | Compounding | | |
| | Plastisol | | |
| Regional Availability | Asia Pacific | | |
| | Europe | | |
| | North America | | |
| | South America | | |
| Uses | Automotive Applications | | |
| | Automotive Interior Parts | | |
| | Cable Jacketing | | |
| | Film | | |
| | Sheet | | |
| | Wire & Cable Applications | | |

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