

ICORENE® N1017

Ethylene Vinyl Acetate Copolymer

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® N1017 is a premium copolymer of ethylene vinyl acetate in powder specifically designed for the preparation of masterbatch. The powder form can achieve better colour developments or additive dispersion in a masterbatch than the pellet form.

The vinyl acetate content is about 28 %. Maximum processing temperature 200 °C. ICORENE® N1017 can be used in various applications such as low viscosity adhesives.

| General Information | | | |
|---|--------------------------------------|-------------------|-----------------|
| Additive | Heat Stabilizer | | |
| Features | Copolymer | | |
| | Dispersible | | |
| | Food Contact Acceptable | | |
| | Good Colorability | | |
| | Heat Stabilized | | |
| | Low Viscosity | | |
| Uses | Adhesives | | |
| | Masterbatch | | |
| Agency Ratings | EU Food Contact, Unspecified Rating | | |
| | FDA Food Contact, Unspecified Rating | | |
| Appearance | Natural Color | | |
| Forms | Powder | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm ³ | Internal Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 800 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 28.0 | wt% | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 69 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 2.00 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 360 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 20.0 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Melting Temperature | 71.0 | °C | ASTM D3418 |
| Fill Analysis | Nominal Value | Unit | Test Method |
| Melt Viscosity (190°C) | 9300 | mPa · s | ASTM D3236 |

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | > 200 | °C |

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