# **ICORENE® N1005**

### Ethylene Vinyl Acetate Copolymer

ICO Polymers EMEA, A Division of A. Schulman

#### Message:

ICORENE® N1005 is a premium copolymer of ethylene vinyl acetate 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 23 %. Maximum processing temperature 230°C.

Additive   Heat Stabilizer     Features   Copolymer     Dispersible   Food Contact Acceptable     Good Colorability   Food Contact Acceptable     Good Colorability   Heat Stabilized     Uses   Food Packaging Masterbatch     Agency Ratings   EU Food Contact, Unspecified Rating     FDA Food Contact, Unspecified Rating   Food Packaging     Froms   Powder     Processing Method   Compounding Extrusion     Scatter Coating   Scatter Coating     Physical   Nominal Value   Unit     Method   Jon   ASTM D1238     Virgl Acetate Content   Scatter Coating   Internal Method     Method   Jon   ASTM D1238     Virgl Acetate Content   Scatter Coating   Internal Method     Method   Jon   Mathed     Method   Scatter Coating   Internal Method     Men	General Information																																																																																																																						
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Agency Ratings   EU Food Contact, Unspecified Rature     Forms   Powder     Forns   Compounding Extrusion Scatter Coating     Physical   Nominal Value   Unit     Physical   0.946   g/cm <sup>3</sup> Physical   0.946   g/cm <sup>3</sup> Math Mass-Flow Rate (MFR) (190°C/2.16 Kg)   5.5   g/10 min     Vinyl Acetate Content   23.0   w%   Internal Method     Hardness   Nominal Value   Unit   Test Method     Durometer Hardness (Shore A)   85   STM D2240     Mechanical   Nominal Value   Unit   Test Method     Tensile Klodulus   3.0   MPa   ASTM D2240     Tensile Klodulus   3.0   MPa   ASTM D638     Tensile Klodulus   3.00   MPa   ASTM D638     Tensile Klodulus   3.00   MPa   ASTM D638     Tensile Klodulus   100   %   ASTM D638     Tensile Klodulus   100   %   ASTM D638     Tensile Klodulus   100   %   ASTM D638     Tensile Klotgenerature   51.0   °C   ASTM D638 <tr <="" td=""><td>Uses</td><td>Food Packaging</td><td></td><td></td></tr> <tr><td>FDA Food Contact, Unspecified Raing     Forms   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Temperature78.0°CASTM D3418</td><td>Tensile Elongation (Break)</td><td>&gt; 100</td><td>%</td><td>ASTM D638</td></tr> <tr><td>Peak Melting Temperature 78.0 °C ASTM D3418</td><td>Thermal</td><td>Nominal Value</td><td>Unit</td><td>Test Method</td></tr> <tr><td></td><td>Vicat Softening Temperature</td><td>51.0</td><td>°C</td><td>ASTM D1525</td></tr> <tr><td>Injection Nominal Value Unit</td><td>Peak Melting Temperature</td><td>78.0</td><td>°C</td><td>ASTM D3418</td></tr> <tr><td></td><td>Injection</td><td>Nominal Value</td><td>Unit</td><td></td></tr>	Uses	Food Packaging			FDA Food Contact, Unspecified Raing     Forms   Powder     Processing Method   Compounding Extrusion Scatter Coating     Physical   Nominal Value   Unit   Test Method     Density   0.946   g/m³   Internal Method     Meth Mass-Flow Rate (MFR) (190°C/2.16 kg)   5.5   g/10 min   ASTM D1238     Vinyl Acetate Content   23.0   wi%   Internal Method     Durometer Hardness (Shore A)   85   STM D1234   ASTM D2240     Mechanical   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