

Technical Data Sheet

Icorene N7140

Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N7140 is a polyethylene based coating powder designed for encapsulating wire goods for outdoor applications and has been formulated to achieve very high thermal stability.

This grade is stress crack and abrasion resistance improved compared with standard polyethylene materials. Compared with standard wirework powders, this material will have improved flow behaviour, process faster and enable users to make savings through thinner coatings achieved at lower oven temperatures.

| General | | | |
|------------|---|---|---|
| Features | <ul style="list-style-type: none">• Abrasion Resistant• Good Flow | <ul style="list-style-type: none">• Good Processing Stability• Heat Stabilized | <ul style="list-style-type: none">• UV Stabilized |
| Uses | <ul style="list-style-type: none">• Coating Applications• Decorative Railing• Fencing & Decking | <ul style="list-style-type: none">• Industrial Applications• Outdoor Applications• Piping | <ul style="list-style-type: none">• Wire & Cable Applications |
| Appearance | <ul style="list-style-type: none">• Unspecified Color | | |
| Forms | <ul style="list-style-type: none">• Powder | | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------|-------------------------|--------------------|-------------|
| Density | 0.920 g/cm³ | 0.920 g/cm³ | ASTM D1505 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 1160 psi | 8.00 MPa | ASTM D638 |
| Tensile Elongation (Break) | > 500 % | > 500 % | ASTM D638 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Durometer Hardness (Shore D) | 49 | 49 | ASTM D2240 |

Notes

These are typical property values not to be construed as specification limits.