

# Elvamide® 8061Z

## NYLON MULTIPOLYMER RESIN

Elvamide® nylon multipolymer resins are a family of unique polymers having outstanding abrasion resistance, high tensile strength and elongation, and excellent adhesion to nylon yarns.

Important benefits of Elvamide® are:

Excellent adhesion to nylon yarn

Readily applied from solutions in low cost, quick evaporating alcohols

High melting point prevents "gumming-up" at high needle temperatures frequently encountered in high speed sewing

Only 4% to 10% Elvamide® is required to give excellent bonding, with consistent quality

Elvamide® 8061Z is a general purpose nylon multipolymer resin combining good solubility, abrasion resistance and toughness.

### Product information

|                      |                            |           |
|----------------------|----------------------------|-----------|
| Resin Identification | PA6/66/610                 | ISO 1043  |
| Part Marking Code    | >PA6/66/610<               | ISO 11469 |
| ISO designation      | ISO 16396-PA6/66/610,,G1,, |           |

### Typical mechanical properties

|                             | dry/cond. |     |            |
|-----------------------------|-----------|-----|------------|
| Tensile Strength            | 51 / -    | MPa | ASTM D 638 |
| Elongation at break         | 320 / -   | %   | ASTM D 638 |
| Flexural Modulus            | 950 / -   | MPa | ASTM D 790 |
| Hardness, Rockwell, Scale R | 71 / -    |     | ASTM D 785 |

### Thermal properties

|                               | dry/cond. |    |                |
|-------------------------------|-----------|----|----------------|
| Melting temperature, 10°C/min | 156 / *   | °C | ISO 11357-1/-3 |

### Other properties

|                                 | dry/cond. |   |                |
|---------------------------------|-----------|---|----------------|
| Water absorption, Immersion 24h | 3.1 / *   | % | Sim. to ISO 62 |
| Specific Gravity                | 1.08 / *  |   | ASTM D 4052    |