DISTITRON® 814 KV20

Product type
Unsaturated polyester resin in styrene, Tetrahydrophthalic

Appearance
Yellow - Transparent

Main resin characteristics
Preaccelerated

Main applications
Mastics

Moulding informations
Mix with fillers and/or additives

Shelf life and storage
Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf-life will be reduced reaching higher temperature.

Precaution for handling
Read carefully the Safety Data Sheet

FEATURES OF THE LIQUID RESIN

Properties | Test Method | Unit | Typical values |
---|---|---|---|
Specific weight at 20°C | g/cm³ | 1.15 |
Brookfield viscosity at 25°C, sp 3 rpm 20 | mPa.s | 1700 - 2100 |
Solid content | % | 66 - 70 |
Reactivity | at 20°C + 3% PBO50 |
Gel time | min:sec | 8:30 - 10:30 |
Delta | minutes | 4:00 - 7:30 |
Exothermic peak | °C | 170 - 190 |
Acidity | mgKOH/g | 11 - 17 |
Shelf life at 23°C in the dark | months | 6 |

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle
24h at 23°C + 2h at 100°C + 1h at 100°C

Tensile strength | ISO 527 (2012) | MPa | 65 |
Tensile modulus | ISO 527 (2012) | MPa | 3500 |
Elongation at break | ISO 527 (2012) | % | 3.0 |
Flexural strength | ISO 178/B (2010) | MPa | 120 |
Flexural modulus | ISO 178/B (2010) | MPa | 3400 |
HDT | ISO 75 -2A (2013) | °C | 72 |
Barcol hardness at 25°C | ASTM D 2583 (2007) | units | 42 |

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