

Qualchem Danamid FES-23 HUV Polyamide 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Impact resistant, cold. Heat and UV stabilized, for long-lasting use at 120-130°C, protected against artificial light. Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FES-23-HUV-Polyamide-6.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.12 g/cc | 0.0405 lb/in ³ | DIN 53479 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|------------------------|
| Tensile Strength, Yield | 50.0 MPa | 7250 psi | 50 mm/min; ISO 527-1,2 |
| Elongation at Yield | 4.0 % | 4.0 % | ISO 527-1,2 |
| Tensile Modulus | 2.40 GPa | 348 ksi | ISO 527-1,2 |
| Flexural Strength | 75.0 MPa | 10900 psi | 10mm/min; DIN 53452 |
| Flexural Modulus | 1.80 GPa | 261 ksi | DIN 53452 |
| Izod Impact, Unnotched (ISO) | 25.0 kJ/m ² | 11.9 ft-lb/in ² | ISO 180 |
| Charpy Impact Unnotched | NB | NB | DIN 53453 |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | NB | NB | DIN 53453 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 1.50 J/cm ² | 7.14 ft-lb/in ² | DIN 53453 |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | 3.00 J/cm ² | 14.3 ft-lb/in ² | DIN 53453 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------|---------------------|-----------|
| Flammability, UL94 | HB | HB | MSZ 10383 |
| | @Thickness 4.00 mm | @Thickness 0.157 in | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity | 1.00e+14 ohm-cm | 1.00e+14 ohm-cm | DIN 53482 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-------------|-------------|-----------|
| g Index | | | |
| Processing Properties | Metric | English | Comments |
| Moisture Content | 3.0 - 3.2 % | 3.0 - 3.2 % | DIN 53714 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China