ECONAMID® FLX 6

Polyamide 6

DOMO Engineering Plastics



| Technical Data | | | |
|--|---|------------------------|---------------|
| Product Description | | | |
| (ECONAMID 6FLX) | | | |
| Polyamide 6, for injection mouldin | g | | |
| General | | | |
| Material Status | Commercial: Active | | |
| Literature ¹ | Brochure - DOMO ENGINEERING PLASTICS: In Chemicals We Trust. (English) Brochure - PRODUCTS LIST: DOMAMID & ECONAMID (English) Technical Datasheet (English) | | |
| Search for UL Yellow Card | DOMO Engineering Plant | astics | |
| Availability | Asia Pacific | Europe | North America |
| Processing Method | Injection Molding | | |
| Resin ID (ISO 1043) | • PA6 | | |
| Physical | | Nominal Value Unit | Test Method |
| Density | | 1.14 g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (275°C/0.325 kg) | | 10 g/10 min | ISO 1133 |
| Mechanical | | Nominal Value Unit | Test Method |
| Tensile Modulus | | 2500 MPa | ISO 527-2/1 |
| Tensile Stress (Yield) | | 60.0 MPa | ISO 527-2/50 |
| Tensile Strain (Break) | | 25 % | ISO 527-2/50 |
| Impact | | Nominal Value Unit | Test Method |
| Notched Izod Impact Strength (23°C) | | 4.5 kJ/m² | ISO 180/1A |
| Thermal | | Nominal Value Unit | Test Method |
| Melting Temperature | | 221 °C | ISO 11357-3 |
| Electrical | | Nominal Value Unit | Test Method |
| Surface Resistivity | | 1.0E+13 ohms | IEC 60093 |
| Volume Resistivity | | 1.0E+15 ohms·cm | IEC 60093 |

Notes

Injection

Drying Temperature Drying Time

Mold Temperature

Processing (Melt) Temp

Nominal Value Unit 75 to 85 °C

2.0 to 4.0 hr

230 to 260 °C

60 to 100 °C



The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides like to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.