

# 4LAC® 10H30000

Acrylonitrile Butadiene Styrene  
4Plas

Message:

4LAC 10H30000 is a High Flow Unfilled ABS

| General Information                                |                   |                   |                |
|----------------------------------------------------|-------------------|-------------------|----------------|
| Features                                           | High liquidity    |                   |                |
| Processing Method                                  | Injection molding |                   |                |
| Physical                                           | Nominal Value     | Unit              | Test Method    |
| Density                                            | 1.04              | g/cm <sup>3</sup> | ISO 1183       |
| Mechanical                                         | Nominal Value     | Unit              | Test Method    |
| Tensile Modulus (23°C)                             | 2400              | MPa               | ISO 527-2/5    |
| Tensile Stress (Break, 23°C)                       | 43.0              | MPa               | ISO 527-2/5    |
| Tensile Strain (Break, 23°C)                       | 3.0               | %                 | ISO 527-2/5    |
| Impact                                             | Nominal Value     | Unit              | Test Method    |
| Notched Izod Impact (23°C)                         | 13                | kJ/m <sup>2</sup> | ISO 180/1A     |
| Thermal                                            | Nominal Value     | Unit              | Test Method    |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 97.0              | °C                | ISO 75-2/B     |
| Vicat Softening Temperature                        | 108               | °C                | ISO 306/B      |
| Electrical                                         | Nominal Value     | Unit              | Test Method    |
| Comparative Tracking Index                         | 400               | V                 | IEC 60112      |
| Flammability                                       | Nominal Value     | Unit              | Test Method    |
| Flame Rating (1.60 mm)                             | HB                |                   | UL 94          |
| Glow Wire Flammability Index (2.00 mm)             | 650               | °C                | IEC 60695-2-12 |
| Injection                                          | Nominal Value     | Unit              |                |
| Drying Temperature                                 | 80.0              | °C                |                |
| Drying Time                                        | 2.0 - 4.0         | hr                |                |
| Suggested Max Moisture                             | 0.10              | %                 |                |
| Processing (Melt) Temp                             | 190 - 230         | °C                |                |
| Mold Temperature                                   | 50.0 - 60.0       | °C                |                |
| Injection Rate                                     | Moderate-Fast     |                   |                |
| Holding Pressure                                   | 50.0 - 100        | MPa               |                |
| Screw Speed                                        | 200               | rpm               |                |
| Injection instructions                             |                   |                   |                |

Feed Throat Temperature: 30 - 50 °CBack Pressure: Low

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