

# POLYLAN T-10

Acrylonitrile Butadiene Styrene  
POLYMA Kunststoff GmbH & Co. KG

Message:

POLYLAN T-10 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Primary characteristic: flame rated.

| General Information                 |               |          |                                    |
|-------------------------------------|---------------|----------|------------------------------------|
| Physical                            | Nominal Value | Unit     | Test Method                        |
| Density                             | 1.03          | g/cm³    | ISO 1183                           |
| Melt Mass-Flow Rate (MFR)           |               |          | ASTM D1238, ISO 1133               |
| 200°C/10.0 kg                       | 10            | g/10 min |                                    |
| 200°C/5.0 kg                        | 0.40          | g/10 min |                                    |
| Hardness                            | Nominal Value | Unit     | Test Method                        |
| Rockwell Hardness (R-Scale, 23°C)   | 95            |          | ASTM D785, ISO 2039-2              |
| Mechanical                          | Nominal Value | Unit     | Test Method                        |
| Tensile Modulus (23°C)              | 1910          | MPa      | ASTM D638, ISO 527-2               |
| Tensile Strength (Yield, 23°C)      | 38.0          | MPa      | ASTM D638, ISO 527-2               |
| Flexural Strength (23°C)            | 57.0          | MPa      | ASTM D790, ISO 178                 |
| Impact                              | Nominal Value | Unit     | Test Method                        |
| Notched Izod Impact (23°C, 6.35 mm) | 390           | J/m      | ASTM D256                          |
| Thermal                             | Nominal Value | Unit     | Test Method                        |
| Deflection Temperature Under Load   |               |          |                                    |
| 1.8 MPa, Unannealed, 12.7 mm        | 86.0          | °C       | ASTM D648                          |
| 1.8 MPa, Unannealed                 | 86.0          | °C       | ISO 75-2/A                         |
| 1.8 MPa, Annealed, 12.7 mm          | 98.0          | °C       | ASTM D648                          |
| 1.8 MPa, Annealed                   | 98.0          | °C       | ISO 75-2/A                         |
| Vicat Softening Temperature         | 101           | °C       | ISO 306/A, ASTM D1525 <sup>1</sup> |
| Flammability                        | Nominal Value |          | Test Method                        |
| Flame Rating (1.59 mm)              | HB            |          | UL 94                              |
| NOTE                                |               |          |                                    |

1. Loading 1 (10 N)

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