

# Armlen® PP IC 50-1

Polypropylene  
Poly Plastic

Message:

Armlen® PP IC 50-1 is a Polypropylene product. It is available in Europe.

| General Information                       |                 |                   |
|-------------------------------------------|-----------------|-------------------|
| Features                                  | High Elasticity |                   |
| Physical                                  | Nominal Value   | Unit              |
| Density                                   | 0.890           | g/cm <sup>3</sup> |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.3             | g/10 min          |
| Molding Shrinkage                         | 0.30 to 0.80    | %                 |
| Hardness                                  | Nominal Value   | Unit              |
| Shore Hardness (Shore D)                  | 40              |                   |
| Mechanical                                | Nominal Value   | Unit              |
| Tensile Stress (Yield)                    | 10.0            | MPa               |
| Tensile Strain (Break)                    | 400             | %                 |
| Flexural Modulus (23°C)                   | 300             | MPa               |
| Flexural Stress                           | 12.0            | MPa               |
| Impact                                    | Nominal Value   | Unit              |
| Charpy Notched Impact Strength (20°C)     | No Break        |                   |
| Charpy Unnotched Impact Strength          |                 |                   |
| -40°C                                     | No Break        |                   |
| 20°C                                      | No Break        |                   |
| Thermal                                   | Nominal Value   | Unit              |
| Melting Temperature                       | 160             | °C                |
| Electrical                                | Nominal Value   | Unit              |
| Volume Resistivity <sup>1</sup>           | 1.0E+15         | ohms · cm         |
| NOTE                                      |                 |                   |
| 1.                                        | Dry             |                   |

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