

# RAMSHINE PAS702

Acrylonitrile Styrene Acrylate  
Polyram Ram-On Industries

Message:  
UV Stabilized General Purpose Injection Moulding ASA.

| General Information               |                    |                   |                       |
|-----------------------------------|--------------------|-------------------|-----------------------|
| Additive                          | UV Stabilizer      |                   |                       |
| Features                          | General Purpose    |                   |                       |
|                                   | Good UV Resistance |                   |                       |
| Uses                              | General Purpose    |                   |                       |
| Processing Method                 | Injection Molding  |                   |                       |
| Physical                          | Nominal Value      | Unit              | Test Method           |
| Specific Gravity                  | 1.04               | g/cm <sup>3</sup> | ASTM D792, ISO 1183   |
| Melt Mass-Flow Rate (MFR)         |                    |                   |                       |
| 220°C/2.1 kg                      | 25                 | g/10 min          | ASTM D1238            |
| 220°C/10.0 kg                     | 25                 | g/10 min          | ISO 1133              |
| Molding Shrinkage                 |                    |                   |                       |
| Flow                              | 0.50               | %                 | ASTM D955             |
| --                                | 0.50               | %                 | ISO 2577              |
| Mechanical                        | Nominal Value      | Unit              | Test Method           |
| Tensile Modulus                   | 2200               | MPa               | ASTM D638, ISO 527-2  |
| Tensile Strength (Yield)          | 45.0               | MPa               | ASTM D638, ISO 527-2  |
| Tensile Elongation (Break)        | 60                 | %                 | ASTM D638, ISO 527-2  |
| Flexural Modulus                  | 2000               | MPa               | ASTM D790, ISO 178    |
| Flexural Strength                 | 70.0               | MPa               | ASTM D790, ISO 178    |
| Impact                            | Nominal Value      | Unit              | Test Method           |
| Notched Izod Impact               |                    |                   |                       |
| 23°C                              | 350                | J/m               | ASTM D256             |
| 23°C                              | 10                 | kJ/m <sup>2</sup> | ISO 180               |
| Thermal                           | Nominal Value      | Unit              | Test Method           |
| Deflection Temperature Under Load |                    |                   |                       |
| 0.45 MPa, Unannealed              | 101                | °C                | ASTM D648, ISO 75-2/B |
| 1.8 MPa, Unannealed               | 96.0               | °C                | ASTM D648, ISO 75-2/A |
| Electrical                        | Nominal Value      | Unit              | Test Method           |
| Volume Resistivity                | 1.0E+14            | ohms · cm         | IEC 60093             |
| Flammability                      | Nominal Value      | Unit              | Test Method           |
| Flame Rating (3.00 mm)            | HB                 |                   | UL 94                 |

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