



creative thermoplastic compounds

## PJ701 / PJ702

Release Date: 27/05/2014

**A General Purpose Injection Moulding UV Stabilized ASA & ABS Alloy. It has good mechanical properties similar to ABS and much better Weather Resistance.**

ISO

| PHYSICAL PROPERTIES                | UNIT              | TEST METHOD       | VALUES           |
|------------------------------------|-------------------|-------------------|------------------|
| DENSITY                            | g/m <sup>3</sup>  | ISO-1183          | 1.04             |
| MOULD SHRINKAGE                    | %                 | ISO-2577          | 0.5              |
| MFI                                | g/10min           | ISO-1133 220/2.10 | 15               |
| MECHANICAL PROPERTIES              | UNIT              | TEST METHOD       | VALUES           |
| TENSILE YIELD STRENGTH             | MPa               | ISO-527           | 45               |
| TENSILE MODULUS                    | MPa               | ISO-527           | 1800             |
| STRAIN @ BREAK                     | %                 | ISO-527           | 90               |
| FLEXURAL STRENGTH                  | MPa               | ISO-178           | 65               |
| FLEXURAL MODULUS                   | MPa               | ISO-178           | 2000             |
| NOTCHED IZOD IMPACT STRENGTH +23°C | Kj/m <sup>2</sup> | ISO-180           | 30               |
| THERMAL PROPERTIES                 | UNIT              | TEST METHOD       | VALUES           |
| HDT AT LOAD 1.8 Mpa                | °C                | ISO-75            | 96               |
| HDT AT LOAD 0.45 Mpa               | °C                | ISO-75            | 104              |
| UL FLAMMABILITY                    |                   | UL-94 3mm         | H.B.             |
| ELECTRICAL PROPERTIES              | UNIT              | TEST METHOD       | VALUES           |
| VOLUME RESISTANCE                  | Ohm x m           | IEC 60093         | 10 <sup>12</sup> |

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