



creative thermoplastic compounds

## PPC500

Release Date: 10/09/2012

**Flame Retardant Polypropylene for Injection Moulding applications.**

**ISO**

| PHYSICAL PROPERTIES                   | UNIT              | TEST METHOD           | VALUES |
|---------------------------------------|-------------------|-----------------------|--------|
| DENSITY                               | g/cm <sup>3</sup> | ISO-1183              | 1.013  |
| MOULD SHRINKAGE                       | %                 | ISO-2577              | 1.4-2  |
| MFI                                   | g/10min           | ISO-1133 230/2.16     | 25     |
| MECHANICAL PROPERTIES                 | UNIT              | TEST METHOD           | VALUES |
| TENSILE YIELD STRENGTH                | MPa               | ISO-527               | 22     |
| TENSILE MODULUS                       | MPa               | ISO-527               | 1100   |
| STRAIN @ BREAK                        | %                 | ISO-527               | 680    |
| FLEXURAL STRENGTH                     | MPa               | ISO-178               | 25     |
| FLEXURAL MODULUS                      | MPa               | ISO-178               | 950    |
| NOTCHED IZOD IMPACT STRENGTH<br>+23°C | Kj/m <sup>2</sup> | ISO-180               | 7      |
| THERMAL PROPERTIES                    | UNIT              | TEST METHOD           | VALUES |
| HDT AT LOAD 1.8 Mpa                   | °C                | ISO-75                | 50     |
| HDT AT LOAD 0.45 Mpa                  | °C                | ISO-75                | 68     |
| G.W.F.I                               | °C                | IEC 60695             | 960    |
| G.W.I.T.                              | °C                | IEC 60695             | 675    |
| UL FLAMMABILITY                       |                   | UL-94 3mm+1.6mm+0.8mm | V-0    |
| MELTING POINT                         | °C                | ISO-11357             | 165    |

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