## TECHNICAL DATA SHEET

# NYLON 06

**Grade** : **PM 70 AC 001F0**
**Colour** : Red
**Description** : NYLON 06 Unfilled FR with excellent mechanical Properties, Natural and customized colours.

| Properties | Test Condition | Test Method | Unit | Typical Value | Tolerance |
|---|---|---|---|---|---|
| **Physical** | | | | | |
| Specific Gravity | | ASTM D792 | - | 1.12 | +/-0.02 |
| Melt Flow Rate | 235° C/2.16Kg | ASTM D1238 | g/10min | 11.50 | +/-2 |
| **Mechanical** | | | | | |
| Tensile Strength@yield | 50mm/min | ASTM D638 | Mpa | 50 | +/-5 |
| Tensile Elongation@Break | 50mm/min | ASTM D638 | % | 8 | +/-2 |
| Flexural Modulus | 2mm/min | ASTM D790 | Mpa | 3500 | +/-100 |
| Flexural Strength | 2mm/min | ASTM D790 | Mpa | 80 | +/-10 |
| Izod Impact 3.2 mm Notched | 23°C | ASTM D256 | Kg cm/cm | 6 | +/-1 |
| **Thermal** | | | | | |
| Heat Deflection Temperature (annealed) | 1.80 Mpa | ASTM D648 | °C | 135 | +/-2 |
| Flammability | 1.5mm | ASTM D3801 | V0 | PASS | |

Typical values are only for material selection purpose, and variation within normal tolerances are for various colours and grades.
Values given should not be interpreted as specification and not be used for part or tool design.
All properties, except melt flow rate are measured on injection moulded specimens and after 48 hours storage at 23°C, 50% relative humidity