

# SCANLON A

**6005**

PA/ABS-Blend

| Property                      | Value       | Unit              | Standard    |
|-------------------------------|-------------|-------------------|-------------|
| Density                       | 1,08        | g/cm <sup>3</sup> | ISO 1183    |
| MFI at 240°C/5kg              | 14          | g/10min           | ISO 1133    |
| Flexural modulus at +23°C     | 1800 (1600) | MPa               | ISO 178     |
| Maximum flexural strength     | 60 (50)     | MPa               | ISO 178     |
| Maximum tensile strength      | 45 (40)     | MPa               | ISO 527-2   |
| Elongation at break           | >80 (>120)  | %                 | ISO 527-2   |
| Elongation at yield           |             | %                 | ISO 527-2   |
| Impact strength               |             |                   |             |
| Notched Charpy at +23°C       | 50 (55)     | kJ/m <sup>2</sup> | ISO 179     |
| Notched Charpy at -20°C       | - (20)      | kJ/m <sup>2</sup> | ISO 179     |
| Unnotched Charpy at +23°C     |             | kJ/m <sup>2</sup> | ISO 179     |
| Unnotched Charpy at -20°C     |             | kJ/m <sup>2</sup> | ISO 179     |
| Filler content                |             | ±2%               | ISO 3451    |
| Heat Distortion Temperature   |             |                   |             |
| HDT 120°C/h at 455kPa (B)     | 96          | °C                | ISO 75/1    |
| HDT 120°C/h at 1820kPa (A)    | 62          | °C                | ISO 75/1    |
| Softening temperature         |             |                   |             |
| Vicat 50°/h at 9,81N (A)      | 190         | °C                | ISO 306     |
| Vicat 50°C/h at 49,05N (B)    | 110         | °C                | ISO 306     |
| Flammability                  |             |                   |             |
| GWT at 2 mm                   | 650         | °C                | IEC 695-2-1 |
| UL94 at 1.6 mm                | HB          |                   | UL94        |
| Mould shrinkage (with flow)   | 0,8-1,0     | %                 | ISO 294-4   |
| Mould shrinkage (across flow) | 0,8-1,0     | %                 | ISO 294-4   |
| Hardness Shore D (15 s)       | 62          | Shore D           | D2240       |

Values within (): 24h/23°C/50%RH

Version 3

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