

# ECO MEYTEL I66 F40 BK

## POLYAMIDE

Polyamide 66 glass fibre reinforced 40%.

General purpose.

### Available:

Black. H: heat stabilized

|                                      | PROPERTY                      | UNIT                                  | STANDARD    |            | VALUE      |
|--------------------------------------|-------------------------------|---------------------------------------|-------------|------------|------------|
| PHYSICAL                             | Density (23°C)                | g/cm <sup>3</sup>                     | ASTM D 792  | ISO 1183   | 1,46       |
|                                      | MFI                           | g/10 min                              | ASTM D 1238 | ISO 1133   | -          |
|                                      | MFI condition                 | °C/kg                                 | ASTM D 1238 | ISO 1133   | -          |
|                                      | Shore                         | -                                     | ASTM D 2240 | ISO 868    | -          |
|                                      | Shore condition               | A/D                                   | ASTM D 2240 | ISO 868    | -          |
|                                      | Water absorption (24h/23°C)   | %                                     | ASTM D 570  | ISO 62     | 1,5        |
|                                      | Water absorption (saturation) | %                                     | ASTM D 570  | ISO 62     | 5          |
|                                      | Filler content                | %                                     | ASTM D 2584 | ISO 3451   | 40         |
|                                      | Mould Shrinkage (parallel)    | %                                     | ASTM D 955  | ISO 294-4  | 0,4        |
|                                      | MECHANICAL                    | Izod impact (notch / 23°C) - dry/cond | J/m         | ASTM D 256 | ISO 180/1A |
| Izod impact (notch / 0°C) - dry/cond |                               | J/m                                   | ASTM D 256  | ISO 180/1A | 85         |
| Tensile yield strenght - dry/cond    |                               | N/mm <sup>2</sup>                     | ASTM D 638  | ISO 527-2  | -          |
| Tensile yield strain - dry/cond      |                               | %                                     | ASTM D 638  | ISO 527-2  | -          |
| Tensile break strenght - dry/cond    |                               | N/mm <sup>2</sup>                     | ASTM D 638  | ISO 527-2  | 190/160    |
| Elongation at break - dry/cond       |                               | %                                     | ASTM D 638  | ISO 527-2  | 2/3,5      |
| Tensile modulus - dry/cond           |                               | N/mm <sup>2</sup>                     | ASTM D 638  | ISO 527-2  | 10800/7300 |
| Flexural modulus - dry/cond          |                               | N/mm <sup>2</sup>                     | ASTM D 790  | ISO 178    | 9300/6500  |
| THERMAL                              | HDT (0,455 Mpa)               | °C                                    | ASTM D 648  | ISO 75-2   | 250        |
|                                      | HDT (1820 Mpa)                | °C                                    | ASTM D 648  | ISO 75-2   | 250        |
|                                      | VICAT (10 N)                  | °C                                    | ASTM D 1525 | ISO 306    | -          |
|                                      | VICAT (50 N)                  | °C                                    | ASTM D 1525 | ISO 306    | 244        |
|                                      | Melting temperature (DSC)     | °C                                    | ASTM D 3418 | ISO 3146   | 260        |
| FR                                   | Flame behaviour               | -                                     | UL94        |            | -          |



ECO compounds are made utilizing 30% of recycled polymers at least. These products are certified certified by CSI CERT and branded with "CSI Recycled plastic (Secondary Raw Material)".

The above values are provided for general information only. The data contained in this document is based on trials carried out by our laboratory. It shall, however, in no event be held to constitute or imply any warranty, undertaking express or implied commitment from our part.