

DURACON® NW-02

(POM+PE)

Polyplastics

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 18 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Melt flow index, MFI | 20 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 2.4 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 2.3 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2350 | MPa | ISO 527 |
| Tensile Strength | 52 | MPa | ISO 527 |
| Nominal strain at break | 20 | % | ISO 527 |
| Flexural modulus, 23°C | 2200 | MPa | ISO 178 |
| Flexural strength | 72 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 5.9 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | M 70 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 85 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 120 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 120 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Yellow Card available | yes | - | - |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1E12 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 3E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 20 | kV/mm | IEC 60243-1 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1360 | kg/m ³ | ISO 1183 |

Characteristics**Features**

Tribologic Grade

Regional Availability

Asia Pacific

Applications

Automotive