

**Tenogell® A3 AI PRTA010 AB302 MSP**

ABS

Grupo Petropol Polímeros

| Processing/Physical Characteristics | Value      | Unit    | Test Standard |
|-------------------------------------|------------|---------|---------------|
| <b>ASTM Data</b>                    |            |         |               |
| Melt Flow Index, MFI                | <b>20</b>  | g/10min | ASTM D 1238   |
| Temperature                         | <b>220</b> | °C      | -             |
| Load                                | <b>10</b>  | kg      | -             |

| Mechanical properties       | Value       | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| <b>ASTM Data</b>            |             |      |               |
| Tensile Strength            | <b>45</b>   | MPa  | ASTM D 638    |
| Flexural Modulus            | <b>2450</b> | MPa  | ASTM D 790    |
| Flexural Strength           | <b>75</b>   | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in | <b>300</b>  | J/m  | ASTM D 256    |

| Thermal properties | Value      | Unit | Test Standard |
|--------------------|------------|------|---------------|
| <b>ASTM Data</b>   |            |      |               |
| UL 94 Flame rating | <b>HB</b>  | -    | UL 94         |
| Thickness tested   | <b>3.2</b> | mm   | -             |
| DTUL @ 264 psi     | <b>90</b>  | °C   | ASTM D 648    |
| Vicat Temperature  | <b>100</b> | °C   | ASTM D 1525   |

| Other properties | Value       | Unit              | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density          | <b>1050</b> | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Injection Molding | Value            | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature                    | <b>85</b>        | °C   | -             |
| Pre-drying - Time                           | <b>3</b>         | h    | -             |
| Melt temperature                            | <b>190 - 230</b> | °C   | -             |
| Mold temperature                            | <b>50 - 70</b>   | °C   | -             |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Black

**Special Characteristics**

High impact or impact modified

**Regional Availability**

North America, Europe, South and Central America