

Techno ABS 420 (21)

ABS

Techno-UMG Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 15 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Molding shrinkage, parallel | 0.5 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 42 | MPa | ISO 527 |
| Flexural modulus, 23°C | 2220 | MPa | ISO 178 |
| Flexural strength | 68 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 30 | kJ/m ² | ISO 179/1eU |
| Rockwell hardness | R 105 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Strength | 43.1 | MPa | ASTM D 638 |
| Flexural Modulus | 2350 | MPa | ASTM D 790 |
| Flexural Strength | 73.5 | MPa | ASTM D 790 |
| Rockwell Hardness | R 105 | - | ASTM D 785 |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Other properties | | | |
| Density | 1040 | kg/m ³ | ISO 1183 |
| Density | 1040 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 - 90 | °C | - |
| Pre-drying - Time | 2 - 5 | h | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 190 - 260 | °C | - |

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Platable

Regional Availability

North America, Asia Pacific