

Techno ABS 130P

ABS

Techno-UMG Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|------------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 18 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Molding shrinkage, parallel | 0.5 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 47 | MPa | ISO 527 |
| Flexural modulus, 23°C | 2470 | MPa | ISO 178 |
| Flexural strength | 75 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 20 | kJ/m ² | ISO 179/1eU |
| Rockwell hardness | R 109 | - | ISO 2039-2 |

| ASTM Data | Value | Unit | Test Standard |
|-------------------|--------------|------|---------------|
| Tensile Strength | 49 | MPa | ASTM D 638 |
| Flexural Modulus | 2750 | MPa | ASTM D 790 |
| Flexural Strength | 88.3 | MPa | ASTM D 790 |
| Rockwell Hardness | R 112 | - | ASTM D 785 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1050 | kg/m ³ | ISO 1183 |
| Density | 1050 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| 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

Regional Availability

North America, Asia Pacific

Applications

General Purpose