

Excelloy SXF321

ABS

Techno-UMG Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 55 | 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 | 36 | MPa | ISO 527 |
| Flexural modulus, 23°C | 1950 | MPa | ISO 178 |
| Flexural strength | 60 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 8 | kJ/m ² | ISO 179/1eU |
| Rockwell hardness | R 100 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------|-----------------|
| ISO Data | | | |
| Burning behav. at 1.5 mm nom. thickn. | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 1.7 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1120 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 75 - 85 | °C | - |
| Pre-drying - Time | 2 - 5 | h | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 180 - 230 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Special Characteristics

Flame retardant