

ABS HI110

ABS

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 11 | g/10min | ASTM D 1238 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 37.3 | MPa | ASTM D 638 |
| Elongation at Break | 10 | % | ASTM D 638 |
| Flexural Modulus | 1864 | MPa | ASTM D 790 |
| Flexural Strength | 54 | MPa | ASTM D 790 |
| Rockwell Hardness | R 87 | - | ASTM D 785 |
| Izod Impact notched, 1/4 in | 386 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 264 psi | 84 | °C | ASTM D 648 |

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

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.01 | % | - |
| Melt temperature | 210 - 240 | °C | - |
| Mold temperature | 40 - 70 | °C | - |
| Zone 1 | 180 - 200 | °C | - |
| Zone 2 | 190 - 210 | °C | - |
| Zone 3 | 200 - 220 | °C | - |
| Nozzle temperature | 200 - 230 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Back pressure | 30 - 60 | MPa | - |

Characteristics**Processing**

Injection Molding

Chemical Resistance

General Chemical Resistance

Special Characteristics

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific, South and Central America