

ABS PT270

ABS

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 28 | g/10min | ASTM D 1238 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.0055 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Modulus | 1658 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 39.2 | MPa | ASTM D 638 |
| Elongation at Break | 10 | % | ASTM D 638 |
| Flexural Modulus | 2256 | MPa | ASTM D 790 |
| Flexural Strength | 64.7 | MPa | ASTM D 790 |
| Rockwell Hardness | R 100 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 377 | J/m | ASTM D 256 |
| Izod Impact notched, 1/4 in | 358 | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 245 | J/m | ASTM D 256 |
| Temperature | -30 | °C | - |
| Thermal properties | | | |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| DTUL @ 66 psi | 88 | °C | ASTM D 648 |
| DTUL @ 264 psi | 86 | °C | ASTM D 648 |
| Vicat Temperature | 91 | °C | ASTM D 1525 |
| Electrical properties | | | |
| ISO Data | | | |
| Comparative tracking index | 600 | - | IEC 60112 |
| Other properties | | | |
| Density | 1040 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| 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 | 10 - 20 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

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

Applications

Automotive