

LUPOX SV1120M

PBT

LG Chem

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 10 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage, MD | 0.0195 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 54 | MPa | ASTM D 638 |
| Tensile Strength at Break | 47.1 | MPa | ASTM D 638 |
| Elongation at Break | 200 | % | ASTM D 638 |
| Flexural Modulus | 2453 | MPa | ASTM D 790 |
| Flexural Strength | 83.4 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 37.7 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 154 | °C | ASTM D 648 |
| DTUL @ 264 psi | 57 | °C | ASTM D 648 |
| Melting Temperature | 225 | °C | ASTM D 3418 |

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.08 | % | ASTM D 570 |
| Density | 1310 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 100 - 120 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 225 | °C | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 230 - 240 | °C | - |
| Zone 2 | 240 - 250 | °C | - |
| Zone 3 | 250 - 260 | °C | - |
| Nozzle temperature | 250 - 260 | °C | - |

| Processing Recommendation Extrusion | Value | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 100 - 120 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 225 | °C | - |
| Zone 1 | 230 - 240 | °C | - |
| Zone 2 | 240 - 250 | °C | - |
| Zone 3 | 250 - 260 | °C | - |
| Zone 4 | 250 - 260 | °C | - |
| Nozzle temperature | 250 - 260 | °C | - |

Characteristics**Processing**

Injection Molding, Film Extrusion, Sheet Extrusion, Other Extrusion

Regional Availability

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

Applications

General Purpose