

TITANLENE® LDI 305YY

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

TITANLENE® LDI 305YY is a Low Density Polyethylene material. It is available in Asia Pacific for injection molding.

Important attributes of TITANLENE® LDI 305YY are:

Good Aesthetics

Good Stiffness

Impact Resistant

Typical applications include:

Caps/Lids/Closures

Containers

Engineering/Industrial Parts

| General Information | | | |
|---|-----------------------------|-------------------|-------------|
| Features | Good Impact Resistance | | |
| | Good Stiffness | | |
| | Pleasing Surface Appearance | | |
| Uses | Closures | | |
| | Containers | | |
| | Fittings | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.923 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 6.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus - 1% Secant | 157 | MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 10.8 | MPa | |
| Break | 10.8 | MPa | |
| Tensile Elongation (Break) | 450 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -70.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 87.0 | °C | ASTM D1525 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 160 to 240 | °C | |
| Mold Temperature | 25.0 to 50.0 | °C | |

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Recommended distributors for this material

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