

# SUPRAN® LFT PP 2320

Polypropylene

SAMBARK

Message:

20% long glass fiber reinforced extrisopm & gas injection purpose Polypropylene.

| General Information    |                                       |  |  |
|------------------------|---------------------------------------|--|--|
| UL YellowCard          | E230962-230053                        |  |  |
| Filler / Reinforcement | Long Glass Fiber,20% Filler by Weight |  |  |
| Processing Method      | Extrusion                             |  |  |
|                        | Gas-Assisted Injection Molding        |  |  |
|                        | Injection Molding                     |  |  |

| Physical                 | Nominal Value | Unit  | Test Method |
|--------------------------|---------------|-------|-------------|
| Specific Gravity         | 1.03          | g/cm³ | ASTM D792   |
| Molding Shrinkage - Flow | 0.50          | %     | ASTM D648   |
| Water Absorption (24 hr) | 0.020         | %     | ASTM D570   |

| Mechanical                 | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Tensile Strength           | 67.7          | MPa  | ASTM D638   |
| Tensile Elongation (Break) | 4.0           | %    | ASTM D638   |
| Flexural Modulus           | 3580          | MPa  | ASTM D790   |
| Flexural Strength          | 89.2          | MPa  | ASTM D790   |

| Impact              | Nominal Value | Unit | Test Method |
|---------------------|---------------|------|-------------|
| Notched Izod Impact |               |      | ASTM D256   |
| -30°C               | 260           | J/m  |             |
| 23°C                | 250           | J/m  |             |

| Thermal                                                 | Nominal Value | Unit | Test Method |
|---------------------------------------------------------|---------------|------|-------------|
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 150           | °C   | ASTM D648   |

| Flammability | Nominal Value | Test Method |  |
|--------------|---------------|-------------|--|
| Flame Rating | HB            | UL 94       |  |

| Injection              | Nominal Value | Unit |  |
|------------------------|---------------|------|--|
| Drying Temperature     | 90.0          | °C   |  |
| Drying Time            | 2.0           | hr   |  |
| Processing (Melt) Temp | 210 to 220    | °C   |  |
| Mold Temperature       | 40.0 to 70.0  | °C   |  |

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

