

*AMERICAN ABS.*

Thursday, December 12, 2002

**SLCC® TP**

GE Polymerland - Acrylonitrile Butadiene Styrene

**Order This Product Now****Product Characteristics**

|                          |                     |
|--------------------------|---------------------|
| Material Status          | • Commercial Active |
| Availability             | • North America     |
| Test Standards Available | • ASTM              |
| Recycled Content         | • No                |
| Forms                    | • Pellets           |
| Processing Method        | • Injection Molding |

**Properties**

| Physical                          | Nominal Values (English) | Test Method  |
|-----------------------------------|--------------------------|--------------|
| Density - Specific Gravity        | 1.04 sp gr 23/23°C       | ASTM D792 ✓  |
| Melt Flow Rate (230°C/3.8 kg - I) | 6.00 g/10 min            | ASTM D1238 ✓ |
| Mold Shrink, Linear-Flow          | 0.0060 to 0.0080 in/in   | ASTM D955 ✓  |

| Mechanical               | Nominal Values (English) | Test Method |
|--------------------------|--------------------------|-------------|
| Tensile Strength @ Yield | 6000 psi                 | ASTM D638   |
| Flexural Modulus         | 340000 psi               | ASTM D790   |
| Flexural Strength        | 10500 psi                | ASTM D790   |

| Impact                                | Nominal Values (English) | Test Method |
|---------------------------------------|--------------------------|-------------|
| Notched Izod Impact (73 °F, 0.125 in) | 6.50 ft-lb/in            | ASTM D256   |

| Thermal                              | Nominal Values (English) | Test Method |
|--------------------------------------|--------------------------|-------------|
| DTUL @264psi - Unannealed (0.250 in) | 210 °F                   | ASTM D648   |

| Ignition Characteristics           | Nominal Values (English) | Test Method |
|------------------------------------|--------------------------|-------------|
| Flame Rating - UL (0.0622 in, ALL) | HB                       | UL 94       |

**Processing Information**

| Injection Molding Parameters | Nominal Values (English) | Test Method |
|------------------------------|--------------------------|-------------|
| Drying Temperature           | 190 °F                   |             |
| Drying Time                  | 2.0 hr                   |             |
| Drying Time, Maximum         | 4.0 hr                   |             |
| Processing (Melt) Temp       | 450 to 500 °F            |             |
| Mold Temperature             | 120 to 150 °F            |             |
| Back Pressure                | 50.0 to 100 psi          |             |
| Screw Speed                  | 30 to 60 rpm             |             |

**Notes**

- 1 Typical properties; not to be construed as specifications.
- 2 0.2 in/min, 0.125 in
- 3 0.05 in/min, 0.125 in



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