

## TES J-1200/10/VO

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

### Product Description

Molding Parameters:

For 2-zone machines, the rear temperature is 450-520°F, and the front temperature is 420-470°F.

### General

|                        |   |
|------------------------|---|
| Material Status        | • Commercial: Active  |
| Availability           | • Africa & Middle East • Europe • North America<br>• Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber, 10% Filler by Weight   |
| Additive               | • Flame Retardant   |
| Features               | • Good Dimensional Stability • Good Impact Resistance                             |
| RoHS Compliance        | • RoHS Compliant  |
| Forms                  | • Pellets   |
| Processing Method      | • Injection Molding   |

### Properties <sup>1</sup>

| Physical  | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity                              | 1.30          |          | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in)                     | 2.0E-3        | in/in    | ASTM D955   |
| Mechanical  | Nominal Value | Unit     | Test Method |
| Tensile Strength (Break, 73°F)                          | 11000         | psi      | ASTM D638   |
| Flexural Modulus (73°F)                                 | 700000        | psi      | ASTM D790   |
| Flexural Strength (Break, 73°F)                         | 15000         | psi      | ASTM D790   |
| Impact  | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (73°F, 0.250 in)                    | 1.1           | ft·lb/in | ASTM D256   |
| Thermal   | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 212           | °F       | ASTM D648   |
| Flammability  | Nominal Value | Unit     | Test Method |
| Flame Rating (0.06 in)                                  | V-0           |          | UL 94       |

### Processing Information

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 160           | °F   |
| Drying Time            | 1.0           | hr   |
| Rear Temperature       | 420 to 450    | °F   |
| Middle Temperature     | 430 to 460    | °F   |
| Front Temperature      | 410 to 430    | °F   |
| Nozzle Temperature     | 390 to 430    | °F   |
| Processing (Melt) Temp | 450 to 500    | °F   |
| Mold Temperature       | 160 to 190    | °F   |

