



**Component - Plastics**

File Number: E86615

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**POLYMAN: LP 320**

Acrylonitrile Butadiene Styrene (ABS), pellets

NOTE - All designations may be followed by numerical suffixes indicating color

| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 0.031 in, ALL                         | HB              |                      |
| 0.06 in, ALL                          | HB              |                      |
| 0.12 in, ALL                          | HB              |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 0.12 in, ALL                          | HB40            |                      |
| 0.03 in, ALL                          | HB75            |                      |
| 0.06 in, ALL                          | HB75            |                      |
| Glow Wire Flammability Index          |                 | IEC 60695-2-12       |
| 0.031 in                              | 1200 °F         |                      |
| 0.06 in                               | 1200 °F         |                      |
| 0.12 in                               | 1200 °F         |                      |
| Glow Wire Ignition Temperature        |                 | IEC 60695-2-13       |
| 0.031 in                              | 1250 °F         |                      |
| 0.06 in                               | 1250 °F         |                      |
| 0.12 in                               | 1250 °F         |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746A              |
| 0.03 in                               | PLC 3           |                      |
| 0.06 in                               | PLC 3           |                      |
| 0.12 in                               | PLC 3           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746A              |
| 0.03 in                               | PLC 1           |                      |
| 0.06 in                               | PLC 1           |                      |
| 0.12 in                               | PLC 0           |                      |
| Comparative Tracking Index (CTI)      | PLC 0           | UL 746A              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1           | UL 746A              |
| Volume Resistivity                    | 1.0E+16 ohms·cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+16 ohms·cm | IEC 60093            |
| Arc Resistance                        | PLC 1           | ASTM D495            |
| Thermal                               | Value           | Test Method          |
| RTI Elec                              |                 | UL 746B              |
| 0.031 in                              | 194 °F          |                      |
| 0.06 in                               | 194 °F          |                      |
| 0.12 in                               | 194 °F          |                      |
| RTI Imp                               |                 | UL 746B              |
| 0.031 in                              | 176 °F          |                      |
| 0.06 in                               | 176 °F          |                      |
| 0.12 in                               | 176 °F          |                      |



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| Thermal  | Value  | Test Method |
|----------|--------|-------------|
| RTI Str  |        | UL 746B     |
| 0.031 in | 203 °F |             |
| 0.06 in  | 203 °F |             |
| 0.12 in  | 203 °F |             |

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