

MELT - 8.0

IZOD - 2.0

Certene[®] 820 is a high impact polystyrene formulated for applications requiring high impact and stiffness. Common uses include packaging and small appliances.

Features:

- High impact resistance
- High stiffness

Typical Applications:

- Appliances
- Packaging

| PROPERTIES | ASTM | UNIT | VALUES |
|------------------------------------|-------|----------|--------|
| PHYSICAL | | | |
| Melt Flow Rate (200°C, 5.0 kg) | D1238 | g/10 min | 8.0 |
| Tensile Strength (Yield) | D638 | psi | 3900 |
| Tensile Modulus | D638 | psi | 310k |
| Flexural Modulus | D790 | psi | 350k |
| Notched Izod Impact | D256 | ft-lb/in | 2.0 |
| HDT Under Load (66 psi unannealed) | D648 | °F | 372 |
| Vicat Softening Temperature | D1525 | °F | 205 |