

# Hybrid S451H

PC/ABS

Ravago Manufacturing Americas



## Product Description

PC/ABS, High Flow, Flame Retardant

| Property                             | Test Method | Value DAM | Units               |
|--------------------------------------|-------------|-----------|---------------------|
| <b>Physical</b>                      |             |           |                     |
| Specific Gravity                     | ISO 1183    | 1.25      | -                   |
| Melt Flow (260°C/2.16kg)             | ASTM D 1238 | 20        | g/10 min            |
| Shrinkage (Flow Direction, 1/8 in.)‡ | ISO 294-4   | 0.5-0.7   | %                   |
| <b>Mechanical</b>                    |             |           |                     |
| Strength at Break                    | ISO 527-1   | 63        | MPa                 |
| Strain at Break                      | ISO 527-1   | 45        | %                   |
| Flexural Modulus                     | ISO 178     | 2550      | MPa                 |
| Flexural Strength                    | ISO 178     | 84        | MPa                 |
| Notched Izod Impact                  | ISO 180     | 46        | kJ/m <sup>2</sup>   |
| Hardness (M-Scale)                   | ISO 2039    | -         | -                   |
| <b>Thermal</b>                       |             |           |                     |
| Heat Deflection Temperature          |             |           |                     |
| 0.45 MPa                             | ISO 75-2/B  | 107       | °C                  |
| 1.80 MPa                             | ISO 75-2/A  | 94        | °C                  |
| Vicat Softening Temperature          | ISO 306     | 110       | °C                  |
| <b>Flammability</b>                  |             |           |                     |
|                                      |             |           | File Number E157012 |
| Flammability Classification          | UL 94       |           |                     |
| 1.5 mm                               |             | V0        | -                   |
| 2.5 mm                               |             | -         | -                   |