

ISO Property | LOTTE Advanced Materials

| starex. | Grade | WR-9300HF |
|---------|------------|-----------|
| | Resin Type | ASA |

Weatherability, Heat Resistance, B&C, Ventilation System

| ltem | Measuring Method | Condition | Unit | Value |
|---|------------------|---------------------------------|-------------------|---------|
| | | Physical | | |
| Specific Gravity | ISO 1183 | Natural or representative color | - | 1.07 |
| Melt Flow Index | ISO 1133 | 220°c, 10kg | g/10min | 12 |
| Melt Flow Index | ISO 1133 | 250°c, 2.16kg | g/10min | 6.5 |
| Mold Shrinkage (MD) | ISO 2577 | | % | 0.4-0.7 |
| Mold Shrinkage (TD) | ISO 2577 | | % | 0.4-0.7 |
| | | Mechanical | | |
| Tensile Strength at Yield | ISO 527 | 5mm/min | MPa | 44 |
| Tensile Strain at break | ISO 527 | 5mm/min | % | - |
| Tensile Modulus | ISO 527 | 5mm/min | MPa | - |
| Tensile Strength at break | ISO 527 | 5mm/min | MPa | - |
| Flexural Strength | ISO 178 | 2mm/min | MPa | 67 |
| Flexural Modulus | ISO 178 | 2mm/min | MPa | 2100 |
| Izod Impact Strength (notched) | ISO 180 1A | at 23°C, 4mm | KJ/m ² | 12 |
| Charpy Impact Strength (V- notched) | ISO 179 1eA | at 23°C, 4mm | KJ/m ² | 13 |
| Izod Impact Strength (notched) | ISO 180 1A | at-30°C, 4mm | KJ/m ² | 5.5 |
| Rockwell Hardness | ISO 2039-2 | R-scale | - | 106 |
| | | Thermal | | |
| Heat Deflection Temperature (Unannealed) | ISO 75-2 | 1.8MPa, 4.0mm | °C | 80 |
| VICAT Softening Temperature | ISO R 306 | B/50 | °C | 100 |
| | | Flammability | | |
| Flammability | UL94 | НВ | mm | 1.5 |
| | | Appearance | | |
| Yellowness Index | ASTM D1925 | 3.2mm | - | 25 |

^{1.} The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.

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