**S-LAH52**

**Chemical Properties**
- Water Resistance(Powder) Group RW(P): 1
- Acid Resistance(Powder) Group RA(P): 3
- Weathering Resistance/Surface Group W(S): 1
- Acid Resistance/Surface Group SR: 51.2
- Phosphate Resistance PR: 2.0

**Mechanical Properties**
- Young's Modulus E (10^9 N/m²): 1119
- Rigidity Modulus G (10^9 N/m²): 431
- Poisson's Ratio ν: 0.297
- Knoop Hardness Hk[Class]: 640 [6]
- Abrasion Aa: 85
- Photoelastic Constant β nm/(cm·10³Pa): 1.92

**Thermal Properties**
- Strain Point StP (℃): 565
- Annealing Point AP (℃): 596
- Transformation Temperature Tg (℃): 618
- Yield Point At (℃): 636
- Softening Point SP (℃): 679
- Expansion Coefficients (-30~+70℃): 60
- α (10⁻⁶/℃) (+100~+300℃): 73
- Thermal Conductivity λ W/(m·K): 0.828

**Other Properties**
- Bubble Quality Group: B
- Specific Gravity d: 4.41
- Remarks: OHARA 17-04

*The name of the glass type is the model number assigned based on the main components of the composition: large, medium, small refractive index and serial number.*