

ACRYLITE® Satinice df 22 8N

PMMA

Evonik CYRO LLC

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|---------------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 3 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |
| Mold Shrinkage, MD | 0.0045 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 3800 | MPa | ASTM D 638 |
| Tensile Strength | 79.3 | MPa | ASTM D 638 |
| Elongation at Yield | 4 | % | ASTM D 638 |
| Elongation at Break | 4 | % | ASTM D 638 |
| Flexural Modulus | 3500 | MPa | ASTM D 790 |
| Flexural Strength | 138 | MPa | ASTM D 790 |
| Rockwell Hardness | M 95 | - | ASTM D 785 |
| Izod Impact notched, 1/4 in | 16 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|------------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Coefficient of Thermal Expansion, MD | 72 | E-6/K | ASTM D 696 |
| Vicat Temperature | 119 | °C | ASTM D 1525 |

| Optical properties | Value | Unit | Test Standard |
|---------------------|------------|------|---------------|
| ASTM Data | | | |
| Haze | 94 | % | ASTM D 1003 |
| Light Transmittance | 88 | % | ASTM D 1003 |
| Index of Refraction | 1.5 | - | ASTM D 542 |

| Other properties | Value | Unit | Test Standard |
|-------------------------------|-------------|-------------------|---------------|
| Water Absorption, Equilibrium | 0.3 | % | ASTM D 570 |
| Density | 1190 | kg/m ³ | ASTM D 792 |

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather

Regional Availability

North America

Features

Light Diffusing