



Durasein

Product Data Sheet

| TEST | METHOD | RESULT |
|------------------------------|--------------------|--|
| Surface Burning | ASTM E84-08 | FSI=15; SDI=10; CLASS A |
| Flexural Strength | ASTM D790-10A | Flexural Strength (psi) = 10,100 |
| Flexural Modulus | ASTM D790-10A | Modulus of Elasticity (psi) = 1,434,000 |
| Density | ASTM D792-08 B | 1.729 g/cm ³ (108 lb/ft ³) |
| Thermal Expansion | ASTM D696 | 3.49 x 10 ⁻⁵ in/in/C (2.08 x 10 ⁻⁵ in/in/°F) |
| IZOD Notched Impact Strength | ASTM D256-10 C | 2 J/m |
| Tensile Strength | ASTM D638-10 | 45.9 MPa |
| Elongation at Break | ASTM D638-10 | 0.50% |
| Tensile Modulus | ASTM D638-10 | 9890 MPa |
| Water Absorption | ASTM D570-98(2010) | 0.10% |
| Color Fastness | ANSI Z124.1.2-2005 | 1.21 Pass |
| Stain Resistance | ANSI Z124.1.2-2005 | 34 Pass |
| Cleanability & Wear | ANSI Z124.1.2-2005 | Dirt Specimen 2.35%, 2.77%, 3.56%, Slurry Specimen 0.64%, 1.02%, 1.83% |
| Cigarette Test | ANSI Z124.1.2-2005 | 0 Pass |
| Chemical Resistance | ANSI Z124.1.2-2005 | Pass |
| Ignition Test | ANSI Z124.1.2-2005 | Less than 30 sec. Pass |
| Thermal Shock Resistance | ANSI Z124.1.2-2005 | No cracking, crazing, blistering or spalling Pass |
| Water resistance | ANSI Z124.1.2-2005 | Total Rating 1, Pass |
| Barcol Hardness | ASTM D2583-07 | 67 |
| Impact Strength | ASTM D5420-10 | Mean Failure Height 803mm, Mean Failure Energy 28J |
| Heat Deflection Temperature | ASTM D648-07 B | 111.7°C |
| Fungal Testing/Resistance | ASTM G21 | Does not support microbial growth |
| Bacteria Testing/Resistance | ASTM G22 | Does not support bacterial growth |
| GREENGUARD | UL 2818 | Certified |
| GREENGUARD Gold | UL 2818 | Certified |

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|------------------------------|--|--------------------------|
| Boiling Water Resistance | NEMA LD3-2000 | No Effect |
| High Temperature Resistance | NEMA LD3-2000 | No Effect |
| Light Resistance (Xenon Arc) | NEMA LD3-2000 | No Effect |
| Toxicity | 99 (Solid Colors) 66 (Patterned Colors) | Pittsburgh Protocol Test |
| NSF 51 | | Certified |