

Performance Properties

Properties		Typical Results	Test Method
Specific Gravity	Solid Colors	1.76	ASTM D792
	Other Colors	1.69	
Tensile Strength		35.4 MPa (5,140 psi)	ASTM D638
Tensile Modulus		8.91 GPa (1.29x10 ⁶ psi)	
Elongation		0.5%	
Flexural Strength		68.8 MPa (9,980 psi)	ASTM D790
Flexural Elastic Modulus		10.2 GPa (1.48x10 ⁶ psi)	
Hardness Test	Rockwell	83	ASTM D785
	Barcol	66	ASTM D2583
Izod Impact Strength		21 J/m	ASTM D256A
Ball Impact Resistance		> 95"	NEMA LD3 2000 3.8
Water Absorption		0.02%	ASTM D570
Thermal Expansion		3.3 x 10 ⁻⁵ /°C	ASTM D696
Flammability (Surface Burning)	Class	A	ASTM E84
	Flame Spread	15	
	Smoke Density	15	
Weatherability (1,000 hrs)		△E<5	ASTM G155
Color Stability (1,000 hrs)		No Effect	NEMA LD3 2000 3.3
High Temperature Resistance		No Effect	NEMA LD3 2000 3.6
Boiling Water Resistance		No Effect	NEMA LD3 2000 3.5
Stain Resistance		Pass	ANSI Z124
Cleanability & Wear		Pass	ANSI Z124
Chemical Resistance		Pass	ANSI Z124
Food Zone Acceptability		Accepted / Listed	NSF 51
Fungus Resistance		Pass	ASTM G 21

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