

TYPICAL PROPERTIES OF CUTTING BOARD (SANALITE®)			
Property	HDPE	PolyPro	Comments
PHYSICAL			
Specific Gravity	0.0347 lb/in ³	0.0332 lb/in ³	ASTM D792
Water Absorption	Max 0.01 %	Max 0.01 %	Immersion, 24 hr; ASTM D570(2)
Water Absorption at Saturation	Max 0.01 %	Max 0.01 %	Immersion; ASTM D570(2)
MECHANICAL			
Hardness, Shore D	70	78	ASTM D2240
Tensile Strength, Ultimate	4600 psi	5100 psi	ASTM D638
Elongation at Break	400%	11%	ASTM D638
Tensile Modulus	200 ksi	190 ksi	ASTM D638
Flexural Modulus	174 ksi	200 ksi	ASTM D790
Flexural Yield Strength	4600 psi	5100 psi	ASTM D790
Compressive Strength	4600 psi	5500 psi	10% Def., 73°F; ASTM D695
Compressive Modulus	100 ksi	200 ksi	ASTM D695
Coefficient of Friction	0.2	0.25	Dry vs. Steel; QTM55007
IZOD Impact, Notched	1.3 ft-lb/in	1.2 ft-lb/in	ASTM D256 Type A
THERMAL			
CTE, linear 68°F	61 µin/in-°F	-	(-40°F to 300°F); ASTM E831
Melting Point	260°F	327°F	Crystalline, Peak; ASTM D3418
Maximum Service Temperature, Air	180°F	180°F	Long Term
Deflection Temperature at 1.8 MPa (264 psi)	176°F	210°F	ASTM D648
Flammability, UL94 (Estimated Rating)	HB	HB	1/8 inch
ELECTRICAL			
Surface Resistivity per Square	Min 1e+015 ohm	Min 1e+015 ohm	ASTM D257