

SPORT COURT DECK & PATIO TILES

MATERIAL TEST RESULTS

Material Type - High Impact modified Polypropylene (PP) Copolymer Relevant To: All Firm Products			
<u>Property</u>	<u>Unit</u>	<u>ASTM Test Method</u>	<u>Result</u>
Tensile Strength	psi N/mm	D 638	3,700 26
Elongation & Yield	%	D 638	18
Flexural Modulus	psi N/mm	D 790B	145,000 1,000
IZOD, Notched	73.4° F 23° C	ft-lbs/in. J/m	D 256
			2.3 123
IZOD, Unnotched	-.4° F -18° C	ft-lbs/in. J/m	D256
			20 1,070
Gardner Impact	-.4° F -18° F	in-lbs	STP 2223
			215 24
Rockwell Hardness	R	D 785	80
Heat Deflection @ 66 psi	°F °C	D 648	185 85
Melting Point Isotactic	°F °C	D 2117	329-406 165-208
Auto-Ignition Temperature	°F °C		1050 615
Vicat Softening Point	°F °C		286 141
Low Temperature Brittleness	°F °C		8.6 -13
Coefficient of Expansion	in/in°F in/in°C	D 696	38-53 x 10 ⁻⁶ 68-95 x 10 ⁻⁶
<u>Flammability Testing</u>			
Flame Spread Index Smoke Generation		E 84	110.7 37
Horizontal Burn Test		UL 94HB	V-1
Pill Test			Fail
Radiant Panel Test	WATTS/cm ²	E 648-84	.09 Flammable
Friction Test	Dry Wet	C 1028	.68 .56
Compression vs. Crush Yield Point	psi	D 3998	No Break 500

SPORT COURT DECK & PATIO TILES

SANITARY INFORMATION

BACTERIAL & MILDEW RESISTANCE - Zone Inhibition (mm) / Growth in Contact Areas.

SAMPLE	STAPHYLOCOCCUS AUREUS		DLEBSIELLA PNEUMONIAE	
	As Received	After Leaching	As Received	After Leaching
Control	0/GCA	0/GCA	0/GCA	0/GCA
SAMPLE	PINK STAIN Zone of Inhibition mm/stain		FUNGAL GROWTH	
	As Received	After Leaching	As Received	After Leaching
Control	0/HS	0/HS	TG	T-LG

KEY:

NS (no stain)

NG (no growth)

T-LG (traces of light growth)

HS (heavy stain)

TG (traces of growth, less than 10% coverage)