

TECHNICAL SPECIFICATIONS: INTECEL PW AND INTECEL

SPECIAL FEATURES:

Light-Weight: Easy Handling and Installation

Long-term chemical resistance: Withstand atmospheric pollutants

Impervious to moisture: Will not rot, check, crack or craze

Requires no surface preparation: No need for priming or sealing

Easy to work with: No need for special tools

Compatibility with most vinyl substrate/coating systems: Use your current coating products

1. TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	UNIT	INTECEL PW	INTECEL
PHYSICAL				
Specific Gravity	ASTM D 792	g/cm ³	0.75	0.55
Water Absorption	ASTM D 570	%	0.30	0.33
Shore D Hardness	ASTM D 2240	-	68	70
MECHANICAL				
Tensile Strength at Yield	ASTM D 638	psi	2,800	2,000
Elongation at Break	ASTM D 638	%	15	40
Flexural Modulus	ASTM D 790	psi	180,000	130,000
Impact Strength (Izod notched)	ASTM D 256	ft-lb/in	0.3	0.35
Dielectric Strength	ASTM D 149	kv/mm	N/A	12
THERMAL				
Heat Distortion Temperature (under load at 264 psi)	ASTM D 648	°F	140	130
Coefficient of Linear Expansion	ASTM D 696	in/in/ °F	25 X 10 ⁻⁶	35 X 10 ⁻⁶
Thermal Conductivity	ASTM D 177	W/m °K	0.06	0.06

2. FLAMMABILITY STANDARDS

OTHER PROPERTY		RATING	
THERMAL		InteCel PW	InteCel
UL 94	V0	Passed	Passed
UL 94	5V	Passed	Passed
UL 94	N/A	Passed	Passed

3. AVAILABILITY

	InteCel PW	InteCel
STANDARD SIZE (custom size available by request)	4 ft X 8 ft (48"X96")	4 ft X 8ft (48" X 96")
COLOUR (custom InteCel colour available by request)	Tan	White
GAUGES (in millimeters)	10,13,16,19,25,30	10,13,16,19,25,30

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Note: The above properties may vary slightly due to different sheet thickness.