Product Data Sheet

Manufacturer	Shoreline Plastics LLC						
Product	_	PVC/FIBERGLASS COMPOSITE MARINE PILING					
Floudet	F VO/I IDLING	F VOIFIBERGLASS CONFOSITE MARTINE PILING					
MATERIAL							
Raw Material		Polyvinyl chloride (PVC),					
Extruded Material		Ridged PVC compounded with Stranded/Chopped Fiberglass					
Co-Extruded Material		UV protected PVC Capstock					
Molecular Weight (resin)		65	K value				
Relative Viscosity		2.15	dL/gm				
Inherent Viscosity		0.91	dL/gm				
Relative Density		1.47					
Cell Classification		N/A					
MECHANICAL	PROPERTIES	:					
Impact Strength: Notched Izod		110 J/r	m 23 deg C	ASTM D-256A			
Impact strength: Unnotched Izod		270 J/	m 23 deg C	ASTM D-256			
Tear strength:		750-10	00 lb ft/in ASTM	D-624			
Hardness:		88 Shore D durometer					
Coefficient of Friction:		0.3 µs	PVC to PV	C C			
Tensile Strength @ Break: %		2%		ASTM-D 638			
Tensile Stress @ Yield:		103	103 MPa	ASTM D 638			
Tensile Modulus:		9650	MPa	ASTM D638			
Flexural Modulus:		9310	MPa	ASTM D790			
THERMAL PR	OPERTIES:						
Softening Point:		120 C					
Max continuous service Temp:		65 C					
FIRE PERFOR	MANCE:						
Flammability: Oxygen index		0.45	ASTM D	2863			
Ignitability index		2					
Smoke produced index		8		0 (tested as a tube)			
Flame spread index							
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ELECTRIC PROPERTIES:						
Dielectric strength (Breakdown)	14-20 kV/mm					
Volume resistivity	10 ¹⁶ Ohm.cm (60% RH)					
Surface resistivity	10 ¹³ – 10 ¹⁴ Ohm					
Dielectric constant	3.4-3.6 at 25 ⁰ C (60Hz)					
Dissipation factor	0.015-0.020 at 20 ^o C					
NOTES:						
Ultra Violet Weathering: ECOPILE maintains the same level of UV protection as Vinyl siding and Vinyl windows with an exposure rating in excess of 50 years.						
ECOPILE is a two layered product, the inner layer is a PVC/Fiberglass composite, the outer layer is an impervious, heavy, PVC coating that is an accepted medium for the containment of potable water.						
PVC is immune to Microbiological and Macrobiological attack.						
		DATA SHEET NO.				

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