

## Product Data Sheet

<b>ECOPILE</b>			
Manufacturer	Shoreline Plastics LLC		
Product	PVC/FIBERGLASS COMPOSITE MARINE PILING		
<b>MATERIAL</b>			
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		
<b>MECHANICAL PROPERTIES:</b>			
Impact Strength: Notched Izod	110 J/m	23 deg C	ASTM D-256A
Impact strength: Unnotched Izod	270 J/m	23 deg C	ASTM D-256
Tear strength:	750-1000 lb ft/in ASTM D-624		
Hardness:	88	Shore D durometer	
Coefficient of Friction:	0.3 $\mu$ s	PVC to PVC	
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
<b>THERMAL PROPERTIES:</b>			
Softening Point:	120 C		
Max continuous service Temp:	65 C		
<b>FIRE PERFORMANCE:</b>			
Flammability: Oxygen index	0.45	ASTM D 2863	
Ignitability index	2	AS 1530 (tested as a tube)	
Smoke produced index	8	AS 1530 (tested as a tube)	
Flame spread index	0	Does not support combustion	

