



FIBERGLASS REINFORCED POLYMER (FRP)

TYPICAL PHYSICAL PROPERTIES			
(FOR COMPONENTS)	TESTING METHOD	COMP. A	COMP. B
VISCOSITY, CPS	BROOKFIELD L.V.F. SPINDLE #2 @ 30 RPM	200	400 - 600
SPECIFIC GRAVITY	ASTM D-1638	1.20	1.15
WEIGHT PER GAL. LBS.		10.00	9.58
COLOUR	VISUAL	DARK BROWN	LIGHT BROWN
STYRENE MONOMER CONTENT	ASTM D-1638	20 % IN SYSTEM	1.15
MIX RATIO	BY WEIGHT	31	69
(FOR CURED MATERIAL) TESTING METHOD RESULTS (0% GLASS)			
TENSILE STRENGTH, PSI	ASTM D-638	13,000	
TENSILE MODULUS, PSI	ASTM D-638	450,000	
FLEXURAL STRENGTH, PSI	ASTM D-790	28,000	
FLEXURAL MODULUS, PSI	ASTM D-790	400,000	
HEAT DISTORTION TEMP.	ASTM D-648	160° F	
ELONGATION, %	ASTM D-638	4	
BARCOL HARDNESS		42	
SHORE D HARDNESS		85	
LINEAR SHRINKAGE, %	ASTM D-2566-88	85	
REACTIVITY DATA (100 GRAM MASS @ 74° F)			
DEMOLD TIME		10 - 15 MIN.	
GEL TIME		120 - 180 SECONDS	
PERFORMANCE CHARACTERISTICS			
FIBER WETTING		EXCELLENT	
SAGGING / DRAINING		MINIMAL	
FABRICATING METHOD		ALL ROOM TEMPERATURE METHODS	

REV NO	DATE/DESCRIPTION
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SPECIFIED FOR:
DGR ENGINEERING

PROJECT DESCRIPTION:
LOON LAKE WWF
IOWA LAKES REGIONAL WATER

DRAWING DESCRIPTION:
60" DIA PVC WETWELL MANHOLE

DWG NO: 2145812-1	REV NO: 0
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SCALE:
AS NOTED
CLIENTS JOB NUMBER: