

20 MIL FISH GRADE PVC: BLACK NON-REINFORCED

PROPERTIES	TEST METHOD	REQUIRED PGI 1197	TYPICAL VALUE
Gauge (nominal) (mil)	-	20.0	
Profile thickness (minimum +/- 5%) (mil)	ASTM D-1593	19.0	19.7-20.4
Specific gravity (minimum)	ASTM D792	1.20	1.2980
Min. Tensile Properties	ASTM D-882		
1. breaking factor (lbs/inch width) (1" wide)	method A or B	46	MD 65 TD 60
2. elongation at break (%) (2" jaw separation)	method A or B	325	MD 450 TD 400
3. modulus (force) at 100% elongation (lbs/inch width)	method A or B	20	MD 35 TD 30
Tear Resistance (lbs, min)	ASTM D-1004 (Die C)	6	MD 7.0 TD 8.0
Low Temperature , °C	ASTM 1790	-15	pass
Water Extraction (% loss maximum)	ASTM D1204 (as modified by NSF)	0.25	0.05
Dimensional Stability each direction, % change maximum)	ASTM D1204 (212° F, 15 minutes)	+/- 5	pass
Volatility Loss (% loss maximum)	ASTM 1203 Meth. A	0.9	0.45
Microtox Testing			pass
Daphnia Testing (fish survival and reproduction)			pass

The values listed above are typical properties and are intended to be used as guidelines only.
No guarantee or warranty regarding performances of this product is made by GeoCHEM,
Inc. as the manner of use, handling and conditions are beyond our control. Install in
accordance with accepted industry standards.

35 MIL FISH GRADE PVC: BLACK NON REINFORCED

PROPERTIES	TEST METHOD	REQUIRED PGI 1197	TYPICAL VALUE
Gauge (nominal) (mil)	-	30.0	
Profile thickness (minimum +/- 5%) (mil)	ASTM D-1593	34.0	34.5-35.5
Specific gravity (minimum)	ASTM D792	1.20	1.270
Min. Tensile Properties	ASTM D-882		
1. breaking factor (lbs/inch width) (1" wide)	method A or B	69	MD 99 TD 92
2. elongation at break (%) (2" jaw separation)	method A or B	325	MD 480 TD 490
3. modulus (force) at 100% elongation (lbs/inch width)	method A or B	30	MD 46 TD 43
Tear Resistance (lbs, min)	ASTM D-1004 (Die C)	8	MD 13.0 TD 13.0
Low Temperature, °C	ASTM 1790	-20	pass
Water Extraction (% loss maximum)	ASTM D1204 (as modified by NSF)	0.25	0.03
Dimensional Stability (each direction, % change maximum)	ASTM D1204 (212° F, 15 minutes)	+/- 5	pass
Volatility Loss (% loss maximum)	ASTM 1203 Meth. A	0.7	0.40
Microtox Testing			pass
Daphnia Testing (fish survival and reproduction)			pass

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