

ProTherm® 4510

Chlorinated Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 4510 CPVC is a pelletized injection molding compound designed for fittings. Typical applications are in potable water and chemical transfer systems especially where high chemical resistance is required and/or elevated temperatures exist. 4510 has excellent processability, including thermal stability, flow and surface appearance. ProTherm® 4510 listing is pending under NSF Standard 14 and Standard 61.

General Information			
Features	Good Chemical Resistance		
	Good Flow		
	Good Processability		
	Good Surface Finish		
	Good Thermal Stability		
Uses	Fittings		
Agency Ratings	NSF 14		
	NSF 61		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength	55.8	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	101	°C	ASTM D648

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