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.

Features Good Chemical Resistance Good Flow Good Flow Good Processability Good Surface Finish Good Thermal Stability Good Thermal Stability Uses Fittings Agency Ratings NSF 14 NSF 61 NSF 61 Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Specific Gravity 1.49 g/cm³ ASTM D792 Molding Shrinkage - Flow 0.50 to 0.70 % ASTM D792 Molding Shrinkage - Flow 0.50 to 0.70 % ASTM D795 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	neral Information			
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	sile Strength	55.8	MPa	ASTM D638
	pact	Nominal Value	Unit	Test Method
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Thermal Nominal Value Unit Test Method	ermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed) 101 °C ASTM D648	-	101	°C	ASTM D648

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