

ProTherm® 4529

Chlorinated Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf ProTherm® 4529 CPVC is a pelletized injection molding compound designed for large fittings. Typical applications are in potable water and chemical transfer systems especially where high resistance and/or elevated temperatures exist. 4529 has excellent processability, including thermal stability, flow, and surface appearance. ProTherm® 4529 is listed under NSF Standard 14 and Standard 61 and meets or exceeds ASTM D-1784 cell class 23447-B requirements.

General Information			
UL YellowCard	E53006-100054937		
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 to 1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
PVC Cell Classification	23447-B		ASTM D1784
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength (Yield)	49.6	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	80	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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