

ProTherm® 4529 CPVC - TECHNICAL DATA SHEET

AXIALL's ProTherm® 4529 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. ProTherm® 4529 has excellent process ability, 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 Properties	Typical Value	Method
Specific Gravity (+/- 0.02)	1.49 0.02	ASTM D-792
Mold Shrinkage 10-3 in/in	5-7	ASTM D-955
NSF Standard 14 - Cell Classification	23447	ASTM D-1784
Mechanical Properties		
Tensile Strength, psi	8000	ASTM D-638
Tensile Modulus, psi	440,000	ASTM D-638
Flexural Strength, psi	12,000	ASTM D-790
Flexural Modulus, psi	400,000	ASTM D-790
1/8" Notched Izod Impact Strength, ft-lbs/in	2.0	ASTM D-256
Heat Deflection Temperature, annealed, at 264 psi (degrees C / F)	101 / 213.8	ASTM D-648
Vicat Temperature (C) @ 5kg load (degrees C / F)	100 / 212	ASTM D-1525

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