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Salesforce



ProTherm® 4529

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VINYL COMPOUNDS

ProTherm® 4529 Rigid

PRODUCT DESCRIPTION		
This rigid, non-phthalate CPVC compound is formulated to provide excellent stability and ease of processing for a variety of custom injection molding, pipe, and fitting applications that require NSF 14/51/61 certifications. This powder blend compound is commonly used in large fitting, potable water, and chemical-transfer system applications that require ASTM D-1784 cell class 23447-B certification.		
GENERAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity (+/- 0.02)	1.49	ASTM D-792
Cell Classification	23447	ASTM D-1784
Mold Shrinkage 10 ⁻³ in/in	5-7	ASTM D-955
MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Tensile Yield Strength, psi	8000	ASTM D-638
Tensile Yield Strength, MPa	55	ASTM D-638
Tensile Modulus, psi	440000	ASTM D-638
Tensile Modulus, MPa	3034	ASTM D-638
Flexural Strength, psi	12000	ASTM D-790
Flexural Strength, MPa	83	ASTM D-790
Flexural Modulus, psi	400000	ASTM D-790
Flexural Modulus, MPa	2758	ASTM D-790
1/8" Notched Izod Impact ft-lbs/in at 23°C	2	ASTM D-256
THERMAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Heat Deflection Temp °C at 264 psi/1.8 MPa	101	ASTM D-648

Revised Date:10/29/2019

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