

UNITEM[®] Sfx-0149

SS Filled PEI

UNITEM Sfx-0149 extruded thermoplastic shapes provide users with the strength, temperature resistance and dimensional stability inherent in polyetherimide based resins as well as enhanced stiffness provided by the addition of a metallic filler. UNITEM Sfx-0149 extruded shapes offer low extractables for applications requiring FDA compliance and are offered in a broad range of rod, plate and tube configurations by special order.

Typical Physical Properties

Property	Test Method	Unit	*Nominal Value
Mechanical			
Specific Gravity	ASTM D792	--	1.49
Tensile Strength	ASTM D638	psi	13,000
Tensile Elong. @ Break	ASTM D638	%	3.0
Tensile Modulus	ASTM D638	psi	525,000
Flexural Strength	ASTM D790	psi	25,000
Flexural Modulus	ASTM D790	psi	560,000
Impact (notched)	ASTM D256	ft.-lb./in.	1.0
Rockwell Hardness	ASTM D785	D Scale	109
Thermal			
Maximum C.U.T.	NITM	°F	418
HDT @ 264 psi	ASTM D648	°F	388
Coef. Of Thermal Expansion	Expansion ASTM D696	in./in./ °F x 10 ⁻⁵	3.0
Flammability	UL 94	3.0mm	V-0
Miscellaneous			
Water Absorption (24 hrs.)	ASTM D792	%	0.25
Color	--	--	Amber/Gray

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*Nominal Property Values are based on tests of injection molded plaques; properties of extruded shapes may differ from values shown.

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