

UNITEM® Sfx-0149

Polyether Imide

Nytec Plastics, Ltd.

Message:

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.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Stiffness		
	High Heat Resistance		
	High Strength		
	Low Extractables		
Agency Ratings	FDA Unspecified Rating		
Appearance	Amber		
	Grey		
Forms	Preformed Parts		
	Rod		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm³	ASTM D792
Water Absorption (24 hr)	0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	109		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3620	MPa	ASTM D638
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3860	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	198	°C	ASTM D648
Continuous Use Temperature	214	°C	Internal Method

CLTE - Flow	5.4E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

