

HiFill FR® ASA FR-2A WT209

Acrylonitrile Styrene Acrylate
Techmer Engineered Solutions

Message:

HiFill FR® ASA FR-2A WT209 is an Acrylonitrile Styrene Acrylate (ASA) product. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Toughness
- Good UV Resistance
- UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	Flame Retardant		
	Good Toughness		
	Good UV Resistance		
Appearance	Colors Available		
	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption (24 hr)	0.35	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.6	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	38.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	106	°C	
1.8 MPa, Unannealed	103	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696


Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+13	ohms·cm	ASTM D257
Dielectric Strength ¹	16	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-2		
3.00 mm	V-0		
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

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