

HiFill® ASA 814 GY

Acrylonitrile Styrene Acrylate
Techmer Engineered Solutions

Message:

HiFill® ASA 814 GY is an Acrylonitrile Styrene Acrylate (ASA) product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Good Weather Resistance

General Information			
Features	Good Weather Resistance		
Appearance	Colors Available		
	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	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)	42.1	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	54.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	88.9	°C	
1.8 MPa, Unannealed	77.2	°C	
CLTE - Flow	9.9E-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	HB		UL 94
NOTE			
1.	Method A (Short-Time)		

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