

HiFill FR® ASA FR-2A WT209

Techmer Polymer Modifiers - Acrylonitrile Styrene Acrylate

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• UV Stabilizer		
Features	• Flame Retardant	• Good Toughness	• UV Resistant
Appearance	• Colors Available	• White	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.15		ASTM D792
Molding Shrinkage - Flow (0.125 in)	7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.35	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5600	psi	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	310000	psi	ASTM D790
Flexural Strength	5600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.5	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	223	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	217	°F	ASTM D648
CLTE - Flow	3.9E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.03 in		V-2	
0.12 in		V-0	

Notes

¹ Typical properties: these are not to be construed as specifications.

