

AIE PA 5010-ZG-ST

Polyamide

Asia International Enterprise (Hong Kong) Limited

Message:

This product is suitable for the fuel tank of lawn mowers, snowmobiles, beach motors, small generators and other equipment. It is suitable for the high barrier performance demanding application such as pesticide bottles; oil pumps, fuel conduits, etc.

General Information	
Features	Fuel resistance
Uses	Agricultural Chemicals Bottles
	Pump parts
	Fuel line
	Fuel Tank
Processing Method	Blow molding
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.06	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr, 50%RH)	0.40	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	45.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	> 80	%	ASTM D638
Flexural Modulus ⁴	1600	MPa	ASTM D790
Flexural Strength ⁵	55.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
Melting Temperature	233	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	> 1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		UL 94

NOTE	
1.	23°C
2.	50 mm/min
3.	50 mm/min
4.	3.0 mm/min

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