

POKETONE[®] M41FX0A-WH1

General

Feature	Medium-flow injection molding grade
Special Characteristics	Non-toxic, Low GWP
Processing method	Injection molding
Certification	FDA
Colors available	White
UL File number	-
Form	Pellet
Applications	-

Physical Properties

	Value	Unit	Test Method & Condition
Density	1.22	g/cm ³	ASTM D792
Melt flow index 220°C/2.16kg	35	g/10min	ASTM D1238

Mechanical Properties

	Value	Unit	Test Method & Condition
Tensile strength at yield	45	MPa	ASTM D638
Tensile elongation at break	200	%	ASTM D638
Flexural strength	45	MPa	ASTM D790
Flexural modulus	1,000	MPa	ASTM D790
Notched Charpy impact strength	7.0	kJ/m ²	ISO 179/1eA, 23°C

Thermal Properties

	Value	Unit	Test Method & Condition
Melting temperature	197	°C	ASTM D3418

Injection Molding Processing Conditions

		Value	Unit
Pre-drying	Drying temperature	80	°C
	Drying time	3 ~ 4	hr
	Suggested max moisture	0.20	%
Temperature	Nozzle temperature	225	°C
	Zone 1 temperature	220	°C
	Zone 2 temperature	215	°C
	Zone 3 temperature	215	°C
	Zone 4 temperature	210	°C
	Processing temperature	210 ~ 220	°C

	Mold temperature	80	°C
Pressure	Back pressure	0.3 ~ 0.7	MPa
Speed	Screw Speed	50 ~ 100	rpm

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