

# Globalene® SI4101

Polypropylene Alloy

Lee Chang Yung Chemical Industry Corp.

Message:

Globalene® SI4101 is a Polypropylene Alloy (PP Alloy) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of Globalene® SI4101 are:

RoHS Compliant

Good Processability

High Stiffness

Low Shrinkage

Typical applications include:

Appliances

Household Applications

Housings

General Information			
UL YellowCard	E85783-100689643		
Features	Good Moldability		
	High Stiffness		
	Low Shrinkage		
Uses	Appliances		
	Battery Cases		
	Household Goods		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.7	MPa	ASTM D638
Tensile Elongation (Yield)	5.3	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	42	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	124	°C	ASTM D648

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