

Globalene® 6181

Polypropylene Random Copolymer
Lee Chang Yung Chemical Industry Corp.

Message:

Globalene® 6181 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific or North America for blow molding, sheet extrusion, or thermoforming.

Important attributes of Globalene® 6181 are:

Clarity

Copolymer

Good Stiffness

Typical applications include:

Bottles

Kitchenware

Sheet

General Information			
Features	Good Stiffness		
	High Clarity		
	Random Copolymer		
Uses	Bottles		
	Cups		
	Sheet		
	Thermoforming Applications		
Forms	Pellets		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.901	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	120	°C	ASTM D648

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