

Globalene® PT181

Polypropylene Homopolymer
Lee Chang Yung Chemical Industry Corp.

Message:

Globalene® PT181 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific or North America for sheet extrusion or thermoforming.

Important attributes of Globalene® PT181 are:

Good Stiffness

Homopolymer

Typical application of Globalene® PT181: Sheet

General Information	
Features	Good Stiffness Homopolymer
Uses	Sheet Thermoforming Applications
Forms	Pellets
Processing Method	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)	0.40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.3	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	99	°C	ASTM D648

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