

TITANPRO® SM498

Polypropylene Random Copolymer

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

TITANPRO® SM498 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in North America for injection molding or injection stretch blow molding.

Important attributes of TITANPRO® SM498 are:

- Clarity
- Copolymer
- Fast Molding Cycle
- Food Contact Acceptable
- Impact Resistant
- Typical applications include:
 - Food Contact Applications
 - Household Applications
 - Bottles
 - Containers
 - Packaging

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Clarity		
	High Rigidity		
	Moisture Barrier		
	Random Copolymer		
Uses	Bathroom Accessories		
	Bottles		
	Containers		
	Household Goods		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(b)		
	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Injection Molding		
	Injection Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238

Molding Shrinkage - Flow	1.3 to 1.4	%	
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Additional Information	Nominal Value		
CAS Number	9010-79-1		

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Recommended distributors for this material

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