

TITANPRO® SM598

Polypropylene Random Copolymer

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

TITANPRO® SM598 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in North America for injection molding. Important attributes of TITANPRO® SM598 are:

- Clarity
- Copolymer
- Fast Molding Cycle
- Food Contact Acceptable
- Good Aesthetics
- Typical applications include:
 - Food Contact Applications
 - Containers
 - Packaging

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Surface Finish		
	High Clarity		
	High Rigidity		
	Random Copolymer		
Uses	Containers		
	Media Packaging		
	Thin-walled Containers		
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		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	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)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°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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