

TITANPRO® SM340

Polypropylene Impact Copolymer
Lotte Chemical Titan (M) Sdn. Bhd.

Message:

Polypropylene impact copolymer. Titanpro SM340 is an intermediate impact material. The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(3)(i) and (c)3.1a. The adjuvant meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use. TSCA Registry: CAS# 9010-79-1

APPLICATIONS:

Automotive parts, battery casing, appliances, housewares, seating, jerrycan caps.

Characteristics:

Superior balance of properties, good low temperature impact resistance and excellent heat stability.

FABRICATION:

Equipment - ram or screw injection machines and techniques - standard processing.

General Information			
UL YellowCard	E166760-224895		
Features	Food Contact Acceptable		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Medium Heat Resistance		
	Medium Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Battery Cases		
	Caps		
	Household Goods		
	Seats		
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)	4.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method


Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1320	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256A
Instrumented Dart Impact (-29°C)	27.5	J	Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT