TITANPRO® SM840

Polypropylene Impact Copolymer

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

Polypropylene impact copolymer. Titanpro SM840 is an extra high flow 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, appliances, housewares, washing machine tub, large flat trays, thin walled articles, flower pots, furniture.
Characteristics:
Easy processability, permitting wider latitude in design, good toughness at low temperature. good surface finish and color, low molded in stresses and excellent heat stability.
FABRICATION:
Equipment - ram or screw injection machines and techniques - standard processing.

General Information	
UL YellowCard	E166760-224898
Features	Food Contact Acceptable Good Colorability Good Processability Good Surface Finish High Flow Impact Copolymer Low Temperature Toughness
Uses	Appliance Components Appliances Automotive Applications Furniture Household Goods Thin-walled Parts
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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	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)	78	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)	90.0	°C	ASTM D648

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

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