

# TITANPRO® SM340

抗冲击共聚聚丙烯

Lotte Chemical Titan (M) Sdn. Bhd.

## Technical Data

### 产品说明

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.

### 总体

特性	<ul style="list-style-type: none"><li>抗冲共聚物</li><li>耐低温冲击</li></ul>	<ul style="list-style-type: none"><li>耐热性, 中等</li><li>食品接触的合规性</li></ul>	<ul style="list-style-type: none"><li>中等抗撞击性</li></ul>
用途	<ul style="list-style-type: none"><li>电池盒</li><li>电器用具</li></ul>	<ul style="list-style-type: none"><li>护罩</li><li>家用货品</li></ul>	<ul style="list-style-type: none"><li>汽车领域的应用</li><li>座椅</li></ul>
机构评级	<ul style="list-style-type: none"><li>FDA 21 CFR 177.1520(a) 3 (i)</li></ul>	<ul style="list-style-type: none"><li>FDA 21 CFR 177.1520(b)</li></ul>	<ul style="list-style-type: none"><li>FDA 21 CFR 177.1520(c) 3.1a</li></ul>
加工方法	<ul style="list-style-type: none"><li>注射成型</li></ul>		

### 物理性能

	额定值	单位制	测试方法
密度	0.900	g/cm <sup>3</sup>	ASTM D1505
熔流率 (熔体流动速率) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
吸水率 (24 hr)	0.020	%	ASTM D570

### 机械性能

	额定值	单位制	测试方法
抗张强度 (屈服)	28.4	MPa	ASTM D638
伸长率 (屈服)	10	%	ASTM D638
弯曲模量	1320	MPa	ASTM D790B

### 冲击性能

	额定值	单位制	测试方法
悬臂梁缺口冲击强度 (23°C)	130	J/m	ASTM D256A
装有测量仪表的落镖冲击 (-29°C)	27.5	J	内部方法

### 硬度

	额定值	单位制	测试方法
洛氏硬度 (R 级)	82		ASTM D785

### 热性能

	额定值	单位制	测试方法
载荷下热变形温度 (0.45 MPa, 未退火)	85.0	°C	ASTM D648

