# Product Data

*Developmental Data*

## TITANPRO SM128
## FOR EXTRUSION, BLOW MOLDING AND INJECTION MOLDING

**CHARACTER** Polypropylene impact copolymer.
Titanpro SM128 has a good melt strength and an excellent balance of stiffness and impact properties. 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.
TSCA Registry: CAS# 9010-79-1

**APPLICATIONS** Corrugated sheet, sheet, thermoforming, non-pressure pipe, profile extrusion, pipe fitting.
Automotive parts.
Blow molded articles.

**ADVANTAGES** Excellent balance of properties.
Excellent low temperature impact resistance.
Excellent heat stability.

**FABRICATION** Equipment - general extrusion or blow/injection machines.
Techniques - standard processing.

| TYPICAL RESIN PROPERTIES [a] | UNIT | SM128 | ASTM METHOD [b] |
|---|---|---|---|
| Melt Flow Rate, at 230°C | g/10 min | **1.2** | D1238 |
| Density | g/cm³ | **0.9** | D1505 |
| Tensile Strength at Yield | kg/cm² | **270** | D638 |
| Elongation at Yield | % | **12** | D638 |
| Flexural Modulus | kg/cm² | **11000** | D790B |
| Notched Izod Impact Strength at 23°C | kg·cm/cm | **70** | D256A |
| Heat Deflection Temperature at 4.6 kg/cm² | °C | **118** | D648 |
| Rockwell Hardness | R scale | **86** | D785A |
| Water absorption after 24 hours | % | **0.02** | D570 |

(a) Values shown are average and are not to be considered as specifications.
(b) ASTM test methods are latest under the Society's current procedures.

Shrinkage : 1.3 - 1.4% depending on the product wall thickness and molding parameters.





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