



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/cm ³	0.9	D1505
Tensile Strength at Yield	kg/cm ²	270	D638
Elongation at Yield	%	12	D638
Flexural Modulus	kg/cm ²	11000	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	70	D256A
Heat Deflection Temperature at 4.6 kg/cm ²	°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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