LOTTE CHEMICAL TITAN

Product Data

TITANPRO PD701
FOR EXTRUSION COATING AND INJECTION MOLDING

CHARACTER Polypropylene homopolymer.
The base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. The adjuvant meet their respective FDA regulations and 21 CFR 177.1520(b). In summary, this resin meets the FDS criteria covering safe use of polyolefin articles and component of articles intended for food contact use.
The base resin also tested and certified compliant with United States Pharmacopoeia (USP) Class VI standard.
TSCA Registry: CAS# 9003-07-0

APPLICATIONS Extrusion coating on fabrics woven, thin walled molded articles.

ADVANTAGES
Low neck in.
High temperature resistance and good resistance to pinholing.
High gloss and surface hardness.
Abrasion resistance and excellent moisture barrier.
Excellent grease and chemical resistance.
Low odor and taste.

FABRICATION
Equipment - general extrusion or injection molding machines.
Techniques - standard processing.

TYPICAL RESIN PROPERTIES [(a)]	UNIT	TITANPRO PD701	ASTM METHOD [(b)]
Melt Flow Rate, at 230°C	g/10 min	**30**	D1238
Density	g/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**320**	D638
Elongation at Yield	%	**12**	D638
Flexural Modulus	kg/cm²	**13500**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**3.3**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°C	**90**	D648
Rockwell Hardness	R scale	**98**	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.

LOTTE CHEMICAL TITAN (M) SDN. BHD. (Formerly known as Titan Petchem (M) Sdn. Bhd.) (154990 W)
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