Product Data

Developmental Data

TITANPRO PM602
FOR MULTIFILAMENT SPUNBOND

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.
TSCA Registry: CAS# 9003-07-0.

APPLICATIONS
High speed fine denier fiber production.
Spunbond nonwoven fibers.
Multifilament fibers.

ADVANTAGES
High melt flow and good drawability.
High gloss.
Narrow molecular weight distribution.
Excellent spinning performance.
Anti-gas fading.

FABRICATION
Equipment - general extrusion machines.
Techniques - standard processing.

TYPICAL RESIN PROPERTIES [a]	UNIT	PM602	ASTM METHOD [b]
Melt Flow Rate, at 230°C	g/10 min	**35**	D1238
Density	g/cm³	**0.9**	D1505
Tensile Strength at Yield	kg/cm²	**330**	D638
Elongation at Yield	%	**13**	D638
Flexural Modulus	kg/cm²	**13000**	D790B
Notched Izod Impact Strength at 23°C	kg·cm/cm	**3**	D256A
Heat Deflection Temperature at 4.6 kg/cm²	°C	**104**	D648
Rockwell Hardness	R scale	**100**	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.