

TITANPRO® PD855

Polypropylene Homopolymer
Lotte Chemical Titan (M) Sdn. Bhd.

Message:

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 FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use. TSCA Registry: CAS# 9003-07-0

APPLICATIONS:

Slit tape and monofilament for rope, twine, yarn and industrial fabrics.

Characteristics:

Outstanding processability, maximum bubble stability for slit tape production by the tubular process, good melt stability, low color. Low taste and odor, no plate-out problems on die lips or chill rolls and good heat aging stability in yarn and fabric.

FABRICATION:

Equipment - general extrusion and techniques - standard processing for tubular and flat die tapes.

General Information			
UL YellowCard	E166760-224891		
Features	Food Contact Acceptable		
	Good Heat Aging Resistance		
	Good Processability		
	High Melt Stability		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
Uses	Fabrics		
	High Tenacity Flat Yarn		
	Industrial Applications		
	Monofilaments		
	Rope		
	Tape		
Agency Ratings	Twine		
	FDA 21 CFR 177.1520(a) 1 (i)		
	FDA 21 CFR 177.1520(b)		
Processing Method	FDA 21 CFR 177.1520(c) 1.1a		
	Extrusion		
	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	38	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

