The Polyolefin Company (Singapore) Pte. Ltd.

COSMOPLENE® W331

CHARACTERISTICS

COSMOPLENE W331 is a Polypropylene Random Copolymer manufactured by latest production technology licensed from Sumitomo Chemical Co. Japan, with excellent processability and physical properties.

APPLICATIONS

W331 is designed for bottle produced by Injection Stretch Blow Molding (ISBM) process.

W331 meets the USP Class VI requirements.

W331 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

PHYSICAL PROPERTIES

ITEM	UNIT	W331	TEST METHOD
Melt Flow Rate	g/10 mins	7	ASTM D1238
Density	g/cm^3	0.90	ASTM D792
Tensile Strength	Mpa	26	ASTM D638
Elongation at break	%	>500	ASTM D638
Flexural Modulus	Mpa	780	ASTM D790
Izod Impact Strength (23°C)	KJ/m^2	4.0	ASTM D256
Rockwell Hardness	R Scale	83	ASTM D785
HDT (4.6 kgf/cm^2)	°C	108	ASTM D648
Melting Point	°C	151	TPC METHOD
Shrinkage (MD/TD)	%	1.40/1.50	TPC METHOD

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.

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