

COSMOPLENE® W331

Polypropylene Random Copolymer
TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

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

General Information	
Features	Good Processability Random Copolymer
Uses	Bottles
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a USP Class VI
Forms	Pellets
Processing Method	Injection Molding Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Across Flow	1.4	%	
Flow	1.4	%	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	89		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	45.0	MPa	ASTM D638
Tensile Elongation (Yield)	> 800	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.6	kJ/m ²	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648
Melting Temperature	151	°C	

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.

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

