



The Polyolefin Company (Singapore) Pte. Ltd.

Office : 150 Beach Road, #10-00 Gateway West, Singapore 189720
 Tel: (65) 6292 9622 Fax: (65) 6293 8890, (65) 6292 6595, (65) 6293 2748
 Plant : 401 Ayer Merbau Road, Singapore 628285
 Website: www.tpc.com.sg

Co. Reg. No.: 198001666D

COSMOPLENE® Y101E

CHARACTERISTICS

COSMOPLENE Y101E is high flow, high stiffness Polypropylene Homopolymer with narrow molecular weight distribution.

APPLICATIONS

COSMOPLENE Y101E can be applied for general products by injection molding such as household, food containers etc.

Y101E complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 1.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	Y101E	TEST METHOD
Melt Flow Rate	g/10 mins	17	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at break	MPa	32	ASTM D638
Elongation	%	> 500	ASTM D638
Flexural Modulus	MPa	1,150	ASTM D790
Izod Impact strength	KJ/m ²	2.1	ASTM D256
Rockwell Hardness	R Scale	97	ASTM D785
HDT (4.6 kgf/cm ²)	°C	113	ASTM D648
Melting Point	°C	167	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.

