



# COSMOPLENE® Y101G

## CHARACTERISTICS

COSMOPLENE Y101G is high flow, high stiffness Polypropylene Homopolymer with narrow molecular weight distribution.

## APPLICATIONS

COSMOPLENE Y101G can be applied for general products by injection molding such as household, food containers etc.

Y101G 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	Y101G	TEST METHOD
Melt Flow Rate	g/10 mins	13	ASTM D1238
Density	g/cm <sup>3</sup>	0.90	ASTM D792
Tensile Strength at break	MPa	32	ASTM D638
Elongation	%	> 500	ASTM D638
Flexural Modulus	MPa	1,160	ASTM D790
Izod Impact strength	KJ/m <sup>2</sup>	2.5	ASTM D256
Rockwell Hardness	R Scale	97	ASTM D785
HDT (4.6 kgf/cm <sup>2</sup> )	°C	113	ASTM D648
Melting Point	°C	166	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.

