



# COSMOPLENE<sup>®</sup> SPG273

## CHARACTERISTICS

COSMOPLENE SPG273 is designed especially for applications which require high transparency. SPG273 is a Polypropylene Random Copolymer with high flow property. It shows high impact resistance, less whitening after impact and good modulus.

## APPLICATIONS

COSMOPLENE SPG273 is designed for containers, house-hold, cups etc.

COSMOPLENE SPG273 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.

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

## PHYSICAL PROPERTIES

ITEM	UNIT	SPG273	TEST METHOD
Melt Flow Rate	g/10 mins	21	ASTM D1238
Density	g/cm <sup>3</sup>	0.9	ASTM D792
Tensile Strength	MPa	29	ASTM D638
Elongation	%	>400	ASTM D638
Flexural Modulus	MPa	1030	ASTM D790
Izod Impact Strength (23 °C)	KJ/m <sup>2</sup>	4.4	ASTM D256
HDT (4.6 kgf/cm <sup>2</sup> )	°C	107	ASTM D648
Melting Point	°C	149	TPC Method
Haze (2 mmt)	%	23	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.

