



COSMOPLENE[®] Z435P

CHARACTERISTICS

COSMOPLENE Z435P is designed specially for applications which require high transparency. Z435P is a Polypropylene Random Copolymer with high flow property, it shows high impact resistance and good modulus.

APPLICATIONS

COSMOPLENE Z435P is designed for commodity items, houseware, container etc.

COSMOPLENE Z435P 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	Z435P	TEST METHOD
Melt Flow Rate	g/10 mins	20	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength	MPa	28	ASTM D638
Elongation	%	>500	ASTM D638
Flexural Modulus	MPa	940	ASTM D790
Izod Impact Strength	KJ/m ²	5.0	ASTM D256
Rockwell Hardness	R Scale	87	ASTM D785
HDT (4.6 kgf/cm ²)	°C	109	ASTM D648
Melting Point	°C	149	TPC METHOD
Haze (2 mm)	%	18	TPC METHOD
Shrinkage (MD/TD)	%	1.60/1.70	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.

