



COSMOPLENE[®] Z334R

CHARACTERISTICS

COSMOPLENE Z334R is a Polypropylene Random Copolymer with good flowability, clarity, physical properties and less whitening after impact.

APPLICATIONS

COSMOPLENE Z334R is designed for containers, cups and any products which require certain level of resistance in terms of retention of impact strength against radiation.

COSMOPLENE Z334R meets the USP Class VI requirement.

COSMOPLENE Z334R 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

<u>ITEM</u>		<u>UNIT</u>	<u>Z334R</u>	<u>TEST METHOD</u>
Melt Flow Rate		g/10 mins	30	ASTM D1238
Density		g/cm ³	0.9	ASTM D792
Tensile Strength		MPa	23	ASTM D638
Elongation		%	>600	ASTM D638
Flexural Modulus		MPa	950	ASTM D790
Izod Impact Strength		KJ/m ²	3.5	ASTM D256
HDT (4.6 kgf/cm ²)		°C	107	ASTM D648
Haze (2 mmt)		%	26	TPC METHOD
HRIT (10 °C/1 mmt)	Non-Radiation	kJ	3.3	TPC METHOD
	1 month after EB radiation (57 kGy)	kJ	1.6	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.

