



RANDOM COPOLYMER POLYPROPYLENE YUNGSOX 5003

Producer: Formosa / Taiwan

Applications: PP - R pipe for drinking water, waste system, under-floor heating circuits
Thermoforming sheet
Blow molding

Characteristics : Excellent resistance to creep
Good resistance to low temperature brittleness
High impact strength
Excellent resistance to whiteness

PROPERTIES	UNIT	TEST METHOD	TYPICAL VALUE
Melt Index	g/10 min	ISO 1133	0.25
Density	g/cm ³	ISO 1183	0.90
Melting Point	°C	DSC	142
Heat Deflection Temperature	°C	ISO 75	85
Vicat Softening Temperature	°C	ISO 306	128
Tensile Strength at Yield	Kg/cm ²	ISO 527	250
Tensile Elongation at Break	%	ISO 527	500
Rockwell Hardness	R scale	ISO 2039	90
Flexural Modulus	Kg/cm ²	ISO 178	8.000
IZOD	Kg.cm/cm	ISO 180 23°C	40
Izod Impact Strength	notch	-20°C	6
Mold Shrinkage	%	FPC Method	1.3-1.7

The details given in this data sheet are our standart value but not specification guaranteed.

Yungsox 5003 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.