

RCP 12900

Polypropylene Random Copolymer



Overview

The use of an advanced nucleator offers the desirable aesthetic values of neutral color and low haze.

Additionally, it provides fast crystallization speed and uniform, isotropic shrinkage enabling fast forming.

FDA Status: This resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

Applications

- Thin-walled injection molding (TWIM) applications
- Used for the production of house wares
- Thin-walled articles for food and non-food applications
- Thin-walled video cassette cases, caps and lids, sports, leisure & toys and component parts for automotive industry
- Not intended to be used for medical application

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.5 kg)	12	g/10 min	D 1238
Density (g/cm ³)	0.900	g/cm ³	D 792
Elongation at Yield	13	%	D638
Tensile Strength (Yield)	3,900	psi	D638
Flexural Modulus - 1% Secant	143,000	psi	D790
Notched Izod Impact (73°F/23°C)	1.0	lb-in	D256
Deflection Temperature at 66 psi load	185	°F	D648
Melting Temperature	293 - 306	°F	D3418
Gardner Impact at 73 °F	>320	in-lb	D5420
Rockwell Hardness	80	R	D785

Typical properties: these are not to be construed as specifications.