

RCP 55900

Polypropylene Random Copolymer



Overview

RCP 55900 is a high melt flow random copolymer with fast cycle time and good mold and denesting release. It is designed for injection molding including thin wall applications.

RCP 55900 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.

The use of an advanced clarifier with low yellowness index and haze – makes it an excellent choice for ‘see-through’ housewares and rigid packaging. Use of this clarifier allows processors to run at lower temperatures - resulting in the potential for cycle time reductions and energy savings.

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.5 kg)	55	g/10 min	D 1238
Density (g/cm ³)	0.900	g/cm ³	D 792
Elongation at Yield	14	%	D638
Tensile Strength (Yield)	4,200	psi	D638
Flexural Modulus - 1% Secant	150,000	psi	D790
Notched Izod Impact (73°F/23°C)	1.0	lb-in	D256
Deflection Temperature at 66 psi load	178	°F	D648
Gardner Impact at 73 °F	180	in-lb	D5420
Plaque haze (1mm)	10	%	