

RCoPP 12900

Random Copolymer Polypropylene



Overview

STAR RCoPP 12900 is a polypropylene random copolymer (PP Random Copolymer) material designed for injection molding. Typical applications include: Caps/Lids/Closures, Automotive, Consumer Goods, Engineering/Industrial Parts, Food Contact Applications

Applications

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

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	12	g/10 min	D 1238
Density (g/cm ³)	0.900	g/cm ³	D 792
Melting Temperature Range	293-306	°F	D3418
Tensile Strength at Yield	3900	psi	D638
Elongation at Yield	11	%	D638
Flexural Modulus, 1 % Secant	143	kpsi	D790
Deflection Temperature @ 66 psi	185	°F	D648
Rockwell Hardness	80	R	D785
Notched Izod Impact @ 23°C	1.0	ft.lb/in	D256
Gardner Impact @ 23°C	>320	in-lb	D5420