

HPP 12900

Homopolymer Polypropylene



Overview

Star HPP 12900 is a homopolymer resin designed for e fast cycle time and improve contact clarity in thin wall multi-cavity molds.

This resin meets FDA regulation 21 CFR 177.1520 section (c) 1.1a for Conditions of Use A-H. This resin complies with REACH.

Applications

- Caps
- Closures
- Thin-wall containers

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
Tensile Strength	5400	psi	D638
Elongation	10	%	D638
Tensile Modulus	250,000	psi	D638
Flexural Modulus - 1% Secant	230,000	psi	D790
Notched Izod Impact — 73°F/23°C (notched / unnotched)	0.5 / 16	ft-lb/in	D256A
Rockwell Hardness	107	R-Scale	D785
Melting Temperature	330	°F	DSC
Heat Deflection Temperature (at 0.45 MPa (66 psi)	260	°F	D648

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