

HPP 20900

Homopolymer Polypropylene



Overview

Star HPP 20900 is a high flow homopolymer resin designed for fast cycle time and easy mold release. This resin has excellent processability.

This resin meets FDA regulation for food contact applications.

Applications

- Caps
- Closures
- Thin-wall containers

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.5 kg)	20	g/10 min	D 1238
Density (g/cm ³)	0.900	g/cm ³	D 792
Tensile Strength	5800	psi	D638
Elongation	6	%	D638
Tensile Modulus	270,000	psi	D638
Flexural Modulus - 1% Secant	220,000	psi	D790
Notched Izod Impact — 73°F/23°C (notched / unnotched)	0.6 / 20	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.