

CPP 50900

Impact Copolymer Polypropylene



Overview

CPP 50900 features balanced stiffness/toughness, good mold release, medium impact resistance, fast molding cycle, good processability, high flow, good colorability, good surface finish, and good thermal stability.

Applications

- Automotive Applications
- Consumer products
- Containers
- Household Goods
- Tool and Tote Boxes

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16kg)	50	g/10 min	D 1238
Density (g/cm ³)	0.900	g/cm ³	D 792
Tensile Strength at Yield	2720	psi	D638
Elongation at Yield	4	%	D638
Flexural Modulus – 1% Secant (0.051 in/min / 0.51 in/min)	163,000 / 185,000	psi	D790A / D790B
Notched Izod Impact (73°F/23°C)	1.9	ft-lb/in	D256
Notched Izod Impact (32°F/0°C)	0.9	ft-lb/in	D256
Notched Izod Impact (-22°F/-30°C)	0.7	ft-lb/in	D256
Gardner Impact, -20°F/ -29°C	217	in-lb	D5420
Deflection Temperature Under Load at 66psi, Unannealed	206	°F	D648
Rockwell Hardness, R Scale	80		D785