

## STAR RCoPP 12900

Global Plastics, LLC - Polypropylene Random Copolymer

Thursday, December 15, 2022

### General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable • Random Copolymer		
Uses	• Automotive Applications • Caps • Household Goods	• Lids • Non-specific Food Applications • Sporting Goods	• Thin-walled Parts • Toys
Processing Method	• Injection Molding		

### ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.9	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant	986	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Gardner Impact (23°C)	> 36.2	J	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	85.0	°C	ASTM D648
Peak Melting Temperature	145 to 152	°C	ASTM D3418

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.