

SPI HOPP12

Polypropylene Homopolymer
Service Polymers, Inc.

Message:

SPI HOPP12 is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by injection molding and is available in North America. Applications of SPI HOPP12 include appliances, caps/lids/closures, consumer goods and household applications. Characteristics include:
Low to No Odor/Taste
Good Processability
Good Stiffness
High ESCR (Stress Crack Resistant)
Homopolymer

General Information			
Features	Good Processability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Isotactic		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
	Medium Viscosity		
Uses	Appliances		
	Closures		
	General Purpose		
	Household Goods		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	33.1	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1240	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	100	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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