

HIPOL™ J903

Polypropylene Homopolymer

Mitsui Chemicals, Inc.

Message:

HIPOL™ J903 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of HIPOL™ J903 are:

Good Processability

Heat Resistant

Homopolymer

Rigid

Typical application of HIPOL™ J903: Containers

General Information			
Features	Good Moldability		
	High Heat Resistance		
	High Rigidity		
	Homopolymer		
Uses	Thin-walled Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	38.2	MPa	
Break	27.5	MPa	
Tensile Elongation (Break)	20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	20	J/m	
23°C	34	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	130	°C	
1.8 MPa, Unannealed	70.0	°C	
Vicat Softening Temperature	155	°C	ASTM D1525

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