

Jampilen HP510M

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP510M is a homopolymer particularly suited for the extrusion of cast and water quenched blown films. Jampilen HP510M is formulated with a general purpose stabilization package and does not contain any slip or antiblocking agents. This grade exhibits excellent processability and outstanding optical properties. Jampilen HP510M renders high gloss finish in laminates and exhibits good printability after Corona treatment.

General Information	
Features	Excellent Printability
	Good Processability
	High Gloss
	Homopolymer
	Opticals
Uses	Bottles
	Cast Film
	Drinking Straws
	Film
	Food Packaging
	Laminates
	Piping
	Sheet
	Thin-walled Packaging
Processing Method	Blow Molding
	Blown Film
	Cast Film
	Coextruded Film
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss	88		ASTM D2457
Haze	1.2	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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