

Jampilen HP502H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP502H is a polypropylene homopolymer particularly suitable for the production of sheet for thermoforming, film yarn and monofilament. Jampilen HP502H combines excellent processability with high stiffness and is particularly suitable to produce film yarn, both with cast and tubular processes. Textile film yarns have a denier count of not more than 1100 to 1200 and are used for the production of bags, industrial fabrics and mats. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes. Jampilen HP502H is also well suited for the production of monofilament used for brush and broom filling and technical applications.

General Information	
Features	Good Processability
	High Stiffness
	Homopolymer
Uses	Bags
	Blown Containers
	Fabrics
	Fibers
	Piping
	Profiles
	Sheet
	Strapping
	Textile Applications
Processing Method	Blow Molding
	Injection Molding
	Pipe Extrusion
	Profile Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

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