

Valtec HP423M

Polypropylene Homopolymer

INDELPRO, S.A. de C.V.

Message:

Valtec is the new controlled morphology polypropylene manufactured by Indelpro using the Spheripol process. Compared to ordinary pelletized polypropylene, Valtec could present advantages in terms of improved productivity, better processing and lower energy consumption. End products can also have superior characteristics when using Valtec in a number of application areas. Valtec HP423M is a homopolymer particularly suitable for the extrusion of slit tape (raffia), monofilaments and general purpose injection molding.

The base resin in this product meets the requirements of the U.S. Food and Drug Administration (FDA) contained in the Code of Federal Regulations in 21 CFR 177.1520.

General Information	
UL YellowCard	E150109-223708
Features	Food Contact Acceptable
	General Purpose
	Good Processability
	High Melt Stability
	Homopolymer
	Low Water Carryover
Uses	Fabrics
	General Purpose
	Industrial Applications
	Monofilaments
	Rope
	Strapping
	Tape
	Twine
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	101	°C	ASTM D648

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