

POLYPRO® HF5103

Polypropylene Homopolymer

YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® HF5103 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of POLYPRO® HF5103 are:

Heat Resistant

High Stiffness

Homopolymer

Typical applications include:

Film

Food Contact Applications

Printing Applications

General Information			
Features	Excellent Printability High Heat Resistance High Stiffness Homopolymer		
Uses	Film Printing Sheet		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0	%	Internal Method
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.2	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1810	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648
Vicat Softening Temperature	158	°C	ASTM D1525

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