

POLYPRO® BP2000

Polypropylene Copolymer

YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® BP2000 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific.

Important attributes of POLYPRO® BP2000 are:

RoHS Compliant

Impact Resistant

Chemical Resistant

Copolymer

Creep Resistant

Typical applications include:

Food Contact Applications

Plumbing/Piping/Potable Water

General Information			
Features	Block Copolymer Good Chemical Resistance Good Creep Resistance High Impact Resistance High Stiffness Low Temperature Impact Resistance		
Uses	Piping		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Appearance	Grey Natural Color Yellow		
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)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525
Oxidation Induction Time (200°C)	> 30	min	ASTM D3895

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