

POLYPRO® 5012

Polypropylene Homopolymer
YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® 5012 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific. Primary attribute of POLYPRO® 5012: Homopolymer.
Typical applications include:
Adhesives/Tapes
Food Contact Applications
Packaging
Straps/Ropes
Yarn

General Information			
Features	General Purpose		
	Homopolymer		
Uses	Packaging		
	Rope		
	Tape		
	Yarn		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 2.0	%	Internal Method
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.3	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525
Peak Melting Temperature	162	°C	ASTM D3418

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Recommended distributors for this material

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