

# POLYPRO® 4017

Polypropylene Homopolymer  
YUHW A Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® 4017 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.  
Important attributes of POLYPRO® 4017 are:  
RoHS Compliant  
Homopolymer  
Typical applications include:  
Agricultural  
Appliances  
Engineering/Industrial Parts  
Food Contact Applications

General Information			
Features	General Purpose		
	Homopolymer		
Uses	Agricultural Applications		
	Appliances		
	Industrial Parts		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 2.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1670	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)	110	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525

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#### Recommended distributors for this material

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