

POLYPRO® 4018

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

Message:

POLYPRO® 4018 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.
Important attributes of POLYPRO® 4018 are:
RoHS Compliant
Clarity
Homopolymer
Typical applications include:
Business/Office Goods
Containers
Food Contact Applications

General Information			
Features	High Clarity		
	Homopolymer		
Uses	Containers		
	Stationary Supplies		
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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	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)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.2	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1960	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	155	°C	ASTM D1525
Peak Melting Temperature	167	°C	ASTM D3418

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

