

POLYPRO® HJ4045

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

Message:

POLYPRO® HJ4045 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for compounding or injection molding. Important attributes of POLYPRO® HJ4045 are:

Flame Rated
RoHS Compliant
Heat Resistant
High Flow
Homopolymer

Typical applications include:
Additive/Masterbatch
Appliances
Food Contact Applications
Household Applications
Housings

General Information			
Features	Good Impact Resistance		
	High Flow		
	High Heat Resistance		
	Homopolymer		
	Scratch Resistant		
Uses	Appliances		
	Compounding		
	Electrical Housing		
	Household Goods		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4 to 1.8	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	41.2	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2060	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)	140	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525
Peak Melting Temperature	167	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (All Colors)	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

