

POLYPRO® HJ4012

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

Message:

POLYPRO® HJ4012 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of POLYPRO® HJ4012 are:

- Flame Rated
- RoHS Compliant
- Good Processability
- Heat Resistant
- High Stiffness
- Typical applications include:
 - Appliances
 - Automotive
 - Food Contact Applications
 - Household Applications
 - Housings

General Information			
Features	Good Processability		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
	Homopolymer		
	Scratch Resistant		
Uses	Appliances		
	Automotive Applications		
	Electrical Housing		
	Household Goods		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	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)	50	%	ASTM D638
Flexural Modulus	2060	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)	140	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525
Peak Melting Temperature	168	°C	ASTM D3418
RTI Elec	125	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (All Colors)	HB		UL 94

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Recommended distributors for this material

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