

POLYPRO® RP2400

Polypropylene Random Copolymer

YUHW A Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® RP2400 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific.

Important attributes of POLYPRO® RP2400 are:

RoHS Compliant

Copolymer

Good Flexibility

Good Processability

Typical applications include:

Food Contact Applications

Plumbing/Piping/Potable Water

General Information			
Features	Good Flexibility		
	Good Processability		
	Random Copolymer		
Uses	Piping		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Appearance	Dark Green		
	Green		
	Grey		
	Natural Color		
	White		
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)	0.25	g/10 min	ASTM D1238
Ash Content	< 300	ppm	ASTM D5630
Oxidation Induction Time (200°C)	> 30	min	ASTM D3895
Minimum Required Strength	11.2	MPa	ISO 9080
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	72		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	133	°C	ASTM D1525
Peak Melting Temperature	139	°C	ASTM D3418

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