

POLYPRO® RJ6428

Polypropylene Random Copolymer

YUHWA Korea Petrochemical Ind. Co., Ltd.

Technical Data

Product Description

POLYPRO® RJ6428 is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of POLYPRO® RJ6428 are:

- RoHS Compliant
- Clarity
- Copolymer
- High Flow
- Impact Resistant

Typical applications include:

- Business/Office Goods
- Coating Applications
- Containers
- Food Contact Applications

General

Features	<ul style="list-style-type: none"> • Good Impact Resistance • High Clarity 	<ul style="list-style-type: none"> • High Flow • Random Copolymer
Uses	<ul style="list-style-type: none"> • Containers 	<ul style="list-style-type: none"> • Protective Coverings • Stationary Supplies
Agency Ratings	<ul style="list-style-type: none"> • FDA Food Contact, Unspecified Rating 	
RoHS Compliance	<ul style="list-style-type: none"> • RoHS Compliant 	
Forms	<ul style="list-style-type: none"> • Pellets 	
Processing Method	<ul style="list-style-type: none"> • Injection Molding 	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28 g/10 min	28 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4690 psi	32.4 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	> 500 %	ASTM D638
Flexural Modulus	171000 psi	1180 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.1 ft·lb/in	59 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	90	90	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Peak Melting Temperature	297 °F	147 °C	ASTM D3418