

Jampilen RP240G

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP240G is a clear polypropylene random copolymer particularly suited for blow molding applications and single or multi-layer sheet extrusion. The product imparts excellent clarity and gloss that may be further enhanced through orientation processes (i.e. injection stretch blow molding.) Due to these properties, Jampilen RP240G is a candidate to replace PVC in blow molding, sheet extrusion and thermoforming applications. Jampilen RP240G is suitable for food contact and for medical application.

General Information	
Features	Food Contact Acceptable
	High Clarity
	High Gloss
	Random Copolymer
Uses	Bottles
	Containers
	Fruit Juice Bottles
	Medical/Healthcare Applications
	Stationary Supplies
	Support Trays
	Thermoformed Containers
Appearance	Clear/Transparent
Processing Method	Blow Molding
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Vicat Softening Temperature	132	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss	78		ASTM D2457
Haze	15	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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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



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