

# Jampilen RP210G

Random Copolymer

**Description:**

"Jampilen RP210G" is a medium modified polypropylene random copolymer. The product is designed for the extrusion of film and sheet and for blow molding of small and medium sized items. The processability of this grade is excellent and the items produced with it show good impact strength, good clarity and high gloss. "Jampilen RP210G" also offers the advantages typical of polypropylene: low density, stress cracking resistance (ESCR) and high chemical resistance. "Jampilen RP210G" is suitable for food contact.

**Processing Method:**

Injection and extrusion blow molding  
Extrusion (Sheet, pipe, semi finished products)  
Double bubble film

**Features:**

Excellent processability  
Good chemical resistance  
High gloss  
HighESCR  
Random copolymer

**Typical Applications:**

Film for packaging  
Sheet for stationery folders and displays  
Blow molding of high gloss monolayer bottles, clear or pigmented, for the packaging of cosmetics, detergents, chemicals and food-stuffs  
Thermoformed food containers  
Double bubble shrink film

**Approval:**

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	1.8	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTMD1505
<b>Mechanical</b>			
Flexural Modulus	1000	MPa	ASTMD790
Tensile Strength at Yield	27	MPa	ASTMD638
Tensile Elongation at Yield	13	%	ASTMD638
Izod Impact Strength (notched) at 23 °C	120	Jim	ASTMD256
Rockwell Hardness	86	R Scale	ASTMD785
<b>Thermal</b>			
Vicat softening point (9.8N)	135	°C	ASTM D1525
H.D.T. (0.46 Mpa)	78	°C	ASTMD648
Accelerated oven ageing in air at 150 °C	360	hours	ASTMD3012
<b>Optical</b>			
Haze	32	%	ASTMD1003
Gloss	65		ASTMD2457