



Jampilen RP270G

Random Copolymer

JAMPILLEN Polypropylene

Description:

"Jampilen RP270G" is a medium modified polypropylene random copolymer specifically designed for blow molding and sheet extrusion and complies with the European Pharmacopeia. "Jampilen RP270G" offers excellent processability in extrusion blow molding and can be converted on form-fill-seal equipment. The product is also suitable for the extrusion of film and sheet for thermoforming. "Jampilen RP270G" offers a good impact strength, good clarity and high chemical resistance.

"Jampilen RP270G" is suitable for food contact.

Processing Method:

Injection and extrusion blow molding
Extrusion (Sheet)
Blown film
Injection Molding

Features:

Medium clarity
Good impact strength
High chemical resistance
ETO sterilisable
Random copolymer

Typical Applications:

Transparent bottles and containers for blood, intravenous solutions, pharmaceutical solutions, medicines and salves packaging for health care products (toothpaste, mouthwash, saline solutions)
Film and sheet for thermoforming
Blown-fill-seal applications

Approval:

Food
Medical

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	1.8	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1000	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	120	J/m	ASTM D256
Rockwell Hardness	86	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	135	°C	ASTM D1525
H.D.T. (0.46 Mpa)	78	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
Optical			
Haze	32	%	ASTM D1003
Gloss	65	----	ASTM D2457

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