

Technical Data Sheet

PP RP 270G

Polypropylene Random copolymer

RP270G is a medium modified polypropylene random copolymer specially designed for blow moulding & sheet extrusion. RP270G complies the European pharmacopeia. RP270G offers excellent process ability in extrusion blow moulding & can be converted on form-fill-seal equipment. The Product is also suitable for the extrusion of film & sheets for thermoforming. RP270G offers a good impact strength, good clarity & high chemical resistance.

Applications:

The main applications of this product are transparent bottles & containers for blood, intravenous solutions, pharmaceutical solutions, medicines & salves. Other applications are packaging for health care products (toothpaste, mouthwash & saline solutions), film & sheet for thermoforming. RP270G is medical approved.

Properties	Test Method	Units	Value
Melt flow rate(230° c.2.16 Kg)	ASTM D1238/L	gr/10 min	1.8
Flexural modulus	ASTM D 790	MPa	1000
Notched Izod Impact@23°C	ASTM D 256	J/M	120
Tensile strength at yield	ASTM D 638	MPa	27
Elongation @Yield	ASTM D 638	%	13
Vicat softening point (10 N)	ASTM D 1525	°c	135
H.D.T. (0.46 N/mm ²)	ASTM D 648	°c	78
Rockwell Hardness	ASTM D 785	R.Scale	86
Oven Aging@150°C	ASTM D 3012	Hours	360
Haze	ASTM D 1003	%	32
Gloss	D523	Rating	65