

# Braskem PP RP 270G

Polypropylene Random Copolymer

Braskem

Message:

RP 270G is a low melt flow Random Copolymer for containers, bottles and packaging for parental solutions with good transparency.

Applications:

Extrusion Blow Molding (EBM) of containers, bottles, houseware. Packaging for parenteral solutions.

Processing:

Extrusion Blow Molding

General Information			
Features	Low Flow		
	Random Copolymer		
Uses	Bottles		
	Containers		
	Household Goods		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	27.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	84.0	°C	ASTM D648

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