

# EVALENE® PP PRB0202

Polypropylene Random Copolymer  
JG Summit Petrochemical Corporation

Message:

EVALENE® PRB0202 is perfect for applications where high clarity is required. This random PP grade also delivers good stiffness and impact strength, as well as excellent temperature resistance, making it ideal for hot- fill applications.  
EVALENE® PRB0202 can be used in a variety of blow molding applications including extrusion blow molding (EBM) and injection blow molding (IBM).

FEATURES

- Excellent clarity and aesthetic advantages
- Ease of processing
- Fast cycles
- High gloss
- Good mechanical properties
- Meets Philippine FDA food contact requirements
- Halal-certied

TYPICAL APPLICATIONS

- Hot-fill packaging
- Bottles for personal care products
- Bottles for cosmetics packaging
- Rigid packaging for consumer markets requiring high clarity

General Information			
Features	Rigid, good		
	Highlight		
	Antistatic property		
	Impact resistance, good		
	Workability, good		
	Fast molding cycle		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Cosmetic Packaging		
	Packaging		
	Blow molding applications		
	Bottle		
	Hard packaging		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion blow molding		
	Injection blowing molding		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant <sup>1</sup>	1440	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	27.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Yield)	24	%	ASTM D638
Flexural Modulus - 1% Secant <sup>4</sup>	933	MPa	ASTM D790A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Additional Information	Nominal Value	Unit	
Blow Molding Mold Temperature	20 - 40	°C	
Blow Molding Temperature	200	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	200	°C	
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		

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