

Braskem PP PRISMA 6410

Polypropylene Random Copolymer

Braskem

Message:

PRISMA ® 6410 is a random copolymer of low melt flow, with excellent balance of mechanical properties and high transparency for wall thickness up to 2.0 mm.

Applications:
Extrusion-Blow Molding of bottles, housewares, which require high-transparency.

Processing:
Extrusion Blow Molding

General Information			
Features	Low Flow		
	Random Copolymer		
Uses	Bottles		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	11	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	78.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm, Injection Molded)	10	%	ASTM D1003

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