

# Braskem PE EP 440P

Polypropylene Copolymer

Braskem

Message:

EP 440P is a medium melt flow rate heterophasic copolymer that combines good impact strength, stiffness and easy processability.

Applications:

Injection Molding of thick parts like housewares, paint pails, buckets, containers, battery cases, toys.

Processing:

Injection Molding

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Medium Flow		
Uses	Battery Cases		
	Containers		
	Household Goods		
	Pails		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	75	J/m	
23°C, Injection Molded	170	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648
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