

# Pro-fax EP445P

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

Pro-fax EP445P fully formulated impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers excellent cold temperature impact resistance and stiffness/impact balance.

For regulatory compliance information see Pro-fax EP445P Product Stewardship Bulletin (PSB).

General Information			
Additive	Antistatic		
Features	Antistatic		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good Mold Release		
	Good Stiffness		
	Impact Copolymer		
Uses	Low Temperature Impact Resistance		
	Containers		
	Crates		
Forms	Pails		
	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1170	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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