

Pro-fax EP545U

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Pro-fax 7823 fractional melt flow polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications and offers high melt strength and excellent impact resistance.

For regulatory compliance information see Pro-fax 7823 Product Stewardship Bulletin (PSB).

General Information			
Additive	Nucleating agent		
	Antistatic property		
	slip agent		
Features	Nucleated		
	Rigid, good		
	Impact copolymer		
	Antistatic property		
	Impact resistance, good		
	High liquidity		
	Moderate smoothness		
Uses	Thin wall parts		
	Thin wall container		
	Container		
	Food container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	4.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1240	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648

NOTE	
1.	50 mm/min
2.	51 mm/min
3.	1.3 mm/min

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