

Pro-fax EP644V

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Pro-fax EP644V very high melt flow impact polypropylene copolymer is available in pellet form. This resin is typically used in thin-wall injection molding applications and offers excellent stiffness.

For regulatory compliance information see Pro-fax EP644V Product Stewardship Bulletin (PSB).

General Information			
Additive	Medium Slip		
	Nucleating Agent		
Features	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Medium Slip		
	Nucleated		
Uses	Food Containers		
	Media Packaging		
	Thin-walled Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	140	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus - 1% Secant ²	1490	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256A
Gardner Impact ³ (4°C)	14.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	118	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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