

ExxonMobil™ PP1024E4

Polypropylene Homopolymer
ExxonMobil Chemical

Message:

A homopolymer resin with a medium melt flow rate for injection molding for a variety of purposes.

General Information			
UL YellowCard	E31790-100792240		
Features	High isotactic		
	Pressure cooker disinfection		
	Ethylene oxide disinfection		
	High liquidity		
	General		
Uses	Disinfect with steam		
	Packaging		
	Composite		
	cast film		
	Application in Automobile Field		
Appearance	Consumer goods application field		
	Medical/nursing supplies		
	Natural color		
	Particle		
	Injection molding		
Forms			
Processing Method			
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.3	MPa	ASTM D638
Flexural Modulus - 1% Secant			
-- ²	1530	MPa	ASTM D790A
-- ³	1740	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.3	°C	ASTM D648
Legal statement			

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NOTE

1.	51 mm/min
2.	1.3 mm/min
3.	13 mm/min

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