

ExxonMobil™ PP8244E1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

A copolymer resin with high crystallinity and high impact strength is used in injection molding applications requiring excellent processing properties.

General Information			
Features	Nucleated		
	Equilibrium rigidity/toughness		
	Impact resistance, good		
	Workability, good		
	Good heat aging resistance		
	Medium molecular weight		
Appearance	Natural color		
Forms	Particle		
Processing Method	Blow molding		
	Composite		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	19.2	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	938	MPa	ASTM D790A
-- ⁴	1080	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256A
Instrumented Dart Impact			ASTM D3763
-40°C, 3.18 mm	46.4	J	ASTM D3763
-29°C, 3.18 mm	39.7	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
Legal statement			
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NOTE			
1.	51 mm/min		

2.	51 mm/min
3.	1.3 mm/min
4.	13 mm/min

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

