

ExxonMobil™ PP8255E1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

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

General Information			
Features	Nucleated		
	Equilibrium rigidity/toughness		
	Impact resistance, good		
	Workability, good		
	Good heat aging resistance		
	Medium molecular weight		
Uses	Electrical appliances		
	Composite		
	Application in Automobile Field		
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)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	21.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	3.9	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1190	MPa	ASTM D790A
-- ⁴	1370	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256A
Dart Drop Impact ⁵ (-29°C, 3.18 mm)	27.7	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.9	°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
5.	Geometry GC

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