

ExxonMobil™ PP7815E1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

A copolymer resin with high crystallinity and low impact strength is used in composite base materials or injection molding applications requiring high melt flow rates.

General Information			
UL YellowCard	E31790-230763		
Features	Nucleated		
	Impact modification		
	Rigidity, high		
	Medium liquidity		
Uses	Composite		
	Application in Automobile Field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Blow molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.4	MPa	ASTM D638
Tensile Elongation ² (Yield)	3.9	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1830	MPa	ASTM D790A
-- ⁴	2070	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	67	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Annealed)	123	°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.	Measured on annealed sample at 100 °C for 30 minutes.

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