

ExxonMobil™ PP7855E1

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

A copolymer resin with high crystallinity and medium impact strength has high melt flow rate and good processing performance. It is suitable for injection molding of automobile internal parts and large household appliance parts.

General Information			
UL YellowCard	E31790-596444		
Features	Nucleated		
	Impact modification		
	Rigid, good		
	smoothness		
	Equilibrium rigidity/toughness		
Uses	Impact resistance, high		
	Electrical appliances		
	Car interior parts		
	Automotive exterior parts		
	Consumer goods application field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.4	MPa	ASTM D638
Tensile Elongation ² (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1100	MPa	ASTM D790A
-- ⁴	1260	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256A
Dart Drop Impact ⁵ (-29°C, 3.18 mm)	26.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.7	°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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