

ExxonMobil™ PP7414

Polypropylene Impact Copolymer

ExxonMobil Chemical

Message:

A copolymer resin with medium impact strength for injection molding automotive applications requiring medium melt flow rates.

General Information			
Features	Impact modification Medium liquidity Medium impact resistance		
Uses	Composite Application in Automobile Field Toys 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)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.2	MPa	ASTM D638
Tensile Elongation ² (Yield)	6.2	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1030	MPa	ASTM D790A
-- ⁴	1180	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256A
Dart Drop Impact ⁵ (-29°C, 3.18 mm)	24.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.1	°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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