

ExxonMobil™ PP4912E1

Polypropylene Homopolymer
ExxonMobil Chemical

Message:

A homopolymer resin mainly designed for stretch film or injection molding.

General Information			
Features	Pure/High Purity		
	Electroplating		
Uses	Packaging		
	Directional film		
	cast film		
Appearance	Natural color		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1520	MPa	ASTM D790A
-- ⁴	1750	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	44	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.9	°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		

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