

ExxonMobil™ PP1264E1

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

A homopolymer resin with high melt flow rate, suitable for large components with long processes and household appliances and other consumer products that need to resist long-term thermal aging.

General Information	
UL YellowCard	E31790-230739
Features	Workability, good
	Good thermal aging resistance
	Good heat aging resistance
	High liquidity
	Detergent resistance
	Thermal Stability
	General
Uses	Electrical appliances
	Home appliance components
	Consumer goods application field
Appearance	Natural color
Forms	Particle
Processing Method	Composite
	Injection molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.7	MPa	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1320	MPa	ASTM D790A
-- ⁴	1500	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A
Unnotched Izod Impact (-18°C)	130	J/m	ASTM D256E
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.2	°C	ASTM D648
1.8 MPa, not annealed	55.0	°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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