

ExxonMobil™ PP2822E1

Polypropylene Homopolymer

ExxonMobil Chemical

Message:

A medium flow homopolymer resin designed for mono-oriented products like stretched tapes.

General Information			
Features	Good Gauge Control		
	Workability, good		
	Medium liquidity		
Uses	Strap		
	Carpet backing		
	Rope		
	Line		
	Fabric		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	8.4	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1710	MPa	ASTM D790A
-- ⁴	1960	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	J/m	ASTM D256A
Dart Drop Impact ⁵ (23°C, 3.18 mm)	2.26	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.4	°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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