

ExxonMobil™ PP5341E1

Polypropylene Homopolymer
ExxonMobil Chemical

Message:

A homopolymer resin with low melt flow rate has high melt strength and softening resistance at high temperatures.

General Information			
Features	Low liquidity		
Uses	Industrial application		
	Application in Automobile Field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Blow molding		
	Composite		
	Sheet extrusion molding		
	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.83	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant			
-- ³	1190	MPa	ASTM D790A
-- ⁴	1390	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	52	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	83.7	°C	ASTM D648
1.8 MPa, not annealed	51.9	°C	ASTM D648
Legal statement			
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NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

