

Achieve™ 1605

Polypropylene Homopolymer
ExxonMobil Chemical

Message:

A Exxpol-based™ Homopolymer resin of metallocene technology is used in medical, electronic and other applications that require cleanliness and pollution. Compared with traditional homopolymers, it has lower volatile and precipitate content and better transparency.

General Information			
Features	Low extract		
	Low volatilization		
	Pressure cooker disinfection		
	Ethylene oxide disinfection		
	Good sensory characteristics		
	Disinfect with steam		
Uses	Industrial application		
	Application in Automobile Field		
	Laboratory apparatus		
	Medical/nursing supplies		
	Medical packaging		
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)	32	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.7	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.1	%	ASTM D638
Flexural Modulus - 1% Secant ³	1360	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	18	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.2	°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

