

## ExxonMobil ACHIEVE 1605 Exxpol Metallocene Grade for Injection Molding Applications

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

### Material Notes:

**Product Description:** A homopolymer resin based on Exxpol™ metallocene technology designed for medical, electronics and other applications requiring cleanliness. It provides lower, volatiles and extractables and better clarity than convention

**homopolymersAvailability:** North America **Features:** Autoclave SterilizableEthylene Oxide SterilizableGood Organoleptic PropertiesLow

**EmissionsLow ExtractablesSteam SterilizableApplications:** Automotive ApplicationsIndustrial ApplicationsLabwareMedical

**PackagingMedical/Healthcare ApplicationsProcessing Method:** Injection MoldingInformation provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-ACHIEVE-1605-Exxpol-Metallocene-Grade-for-Injection-Molding-Applications.php](http://www.lookpolymers.com/polymer_ExxonMobil-ACHIEVE-1605-Exxpol-Metallocene-Grade-for-Injection-Molding-Applications.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	
Melt Flow	32 g/10 min @Load 2.16 kg, Temperature 230 °C	32 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.7 MPa	4600 psi	2 in/min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2 in/min; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1% secant, 0.05 in/min.; ASTM D790A
Izod Impact, Notched	0.176 J/cm	0.330 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	149 °C	300 °F	DSC Melting Temp.; ExxonMobil Method
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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