

## ExxonMobil PP7855E1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Product Description: A high crystallinity, medium impact strength copolymer resin with high melt flow rate and good processing attributes.

It is designed for injection-molded automotive interior applications and large appliance parts. Availability: North America

Features: Balanced Stiffness/Toughness Good Stiffness Impact Modified Nucleated Slip Uses: Appliances Automotive Exterior

Parts Automotive Interior Parts Processing Method: Injection Molding Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP7855E1-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP7855E1-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.4 MPa	3250 psi	2.0 in/min; ASTM D638
Elongation at Yield	5.0 %	5.0 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	0.05 in/min; ASTM D790A
	1260 MPa	183000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	1.71 J/cm	3.20 ft-lb/in	ASTM D256A
Gardner Impact	26.6 J @Thickness 3.17 mm, Temperature -28.9 °C	19.6 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.4 °C	202 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China