

## Ineos H07D-00 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Grade H07D-00 is a polypropylene homopolymer for cast film applications that require slip and antiblock additives. This resin meets the requirements of the Food and Drug Administration as specified in CFR 21 177.1520. Suggested fabrication methods: Extrusion  
Features: Slip, Antiblock  
Typical applications: Cast film  
Complies with FDA specification, Title 21, CFR 177.1520. Typical property data below from injection molded samples.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-H07D-00-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ineos-H07D-00-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.886 - 0.926 g/cc	0.0320 - 0.0335 lb/in <sup>3</sup>	ASTM D1505
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	7.3 g/10 min @Load 2.16 kg, Temperature 230 °C	7.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79 - 108	79 - 108	Normal range for injection molding resins; ASTM D785
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790A
Izod Impact, Notched	0.200 - 0.300 J/cm @Diameter 3.17 mm	0.375 - 0.562 ft-lb/in @Diameter 0.125 in	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Extrusion	

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