

## Ineos HP54-60 Flake Polyethylene Copolymer Flake

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

**Material Notes:**

This is a high density polyethylene copolymer flake which contains no additives and is not pelletized. It is designed for use in the plastic wood composite market. Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-HP54-60-Flake-Polyethylene-Copolymer-Flake.php](http://www.lookpolymers.com/polymer_ineos-HP54-60-Flake-Polyethylene-Copolymer-Flake.php)

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D4883
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	24.1 MPa	3500 psi	2 in/min; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in/min; ASTM D638
Tangent Modulus	>= 1030 MPa	>= 150000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.3 °C	155 °F	ASTM D648
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

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