

## MTM Plastics Dipolen® H Recycled HDPE Blend

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyethylene (PE) , HDPE

### Material Notes:

Dipolen® H is a granulated HDPE with other polyolefin blend for use in either extrusion or injection molding. It can be supplied unmodified or treated with additives according to customer specifications. Dipolen® boasts a high level of polyolefin purity, through an extremely selective recycling technology, and through thorough degassing and very fine filtration. Colors available are grey or black. Information provided by MTM Plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MTM-Plastics-Dipolen-H-Recycled-HDPE-Blend.php](http://www.lookpolymers.com/polymer_MTM-Plastics-Dipolen-H-Recycled-HDPE-Blend.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	<= 0.100 %	<= 0.100 %	
Melt Flow	>= 2.5 g/10 min	>= 2.5 g/10 min	
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	>= 5.0 g/10 min	>= 5.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	>= 10 g/10 min	>= 10 g/10 min	
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
Ash	<= 1.5 %	<= 1.5 %	Ignition Residue after 650°C; ISO 1172

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	DIN 53505
Tensile Strength, Yield	>= 22.0 MPa	>= 3190 psi	50 mm/min; ISO 527
Elongation at Yield	>= 20 %	>= 20 %	50 mm/min; ISO 527
Tensile Modulus	>= 0.950 GPa	>= 138 ksi	1 mm/min; ISO 527
Charpy Impact, Notched	>= 0.300 J/cm <sup>2</sup>	>= 1.43 ft-lb/in <sup>2</sup>	edgewise; ISO 179
	@Temperature -23.0 °C	@Temperature -9.40 °F	
	>= 0.600 J/cm <sup>2</sup>	>= 2.86 ft-lb/in <sup>2</sup>	edgewise; ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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