


**Polymers**

 Chemical &  
Aromatics

 Fuel & Feeds  
Stock

# HDPE (MCH 3820)

Physical Properties	UNIT	Value	TEST METHOD
Density (23 oC)	Kg/m <sup>3</sup>	938	ISO 1183
MFI (190 oC /2.16Kg)	dg/min	20	ISO 1133
Bulk Density	g/cm <sup>3</sup>	>0.50	ISO 60
Mechanical properties			
Tensile Modulus of elasticity	MPa	650	ISO527-1
Tensile stress at Yield	MPa	20	ISO 527-1
Tensile strain Yield	%	10	ISO527-2
Ball indentation hardness H 49/30	MPa	34	ISO 2039-1
Shore D hardness	-	44	ISO 868
Thermal Properties			
HDT,(0.45 MPa)	oC	61	ISO 75B-1
HDT,(1.80 MPa)	oC	38	ISO 75A-1

## APPLICATION

**Additive**
**Antioxidant –Heat stabilizer**

Film, Bags, Film extrusion Blending partner, (Refuse) bags, T-shirt bags, Cover hoods