


Polymers

 Chemical &
Aromatics

 Fuel & Feeds
Stock

HDPE (MCH 3313)

Physical Properties	UNIT	Value	TEST METHOD
Density (23 oC)	Kg/m ³	933	ISO 1183
MFI (190 0C /2 .16 Kg)	dg/min	0.1	ISO 1133
MFI (190 oC /21.6Kg)	dg/min	13	ISO 1133
Mechanical properties			
Tensile Modulus of elasticity	MPa	620	ISO527-1;2
Max. Tensile Strength (MD)	MPa	55	ISO 527-1;3
Max. Tensile Strength (TD)	MPa	43	ISO 527-1;3
Tensile Strain at Break (MD)	%	600	ISO 527-1
Tensile Strain at Break (TD)	%	600	ISO 527-1
Elemendorf tear strength(MD)	mN	330	ISO 6383-2
Elemendorf tear strength(TD)	mN	2000	ISO 6383-2
Failure energy	J/mm	8.5	DIN 53373
Dart Drop Impact	g	160	ASTM D 1709
Thermal Properties			
Melting Point	°C	124	ISO 3146
Vicat Temperature , (A50,50 oC/h , 10 N)	°C	116	ISO 306

APPLICATION

extrusion applications, film and geo-membrane

Additive
Antioxidant –Heat stabilizer