

# Technical Datasheet

## MCH 3820

### 1) General Information:

MCH3820 is a medium density polyethylene

Additives: Antioxidant – Heat stabilizer.

### 2) Application:

MCH 3820 is suitable for extrusion applications, film and geo-membrane

### 3) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Density (23 °C)	ISO 1183	kg/m <sup>3</sup>	938
MFI (190 °C/2.16KG)	ISO 1133	Dg/min	20
Bulk Density	ISO 60	g/cm <sup>3</sup>	>0.50
Tensile Modulus of elasticity	ISO R 527-1	MPa	650
Tensile stress at Yield	ISO R 527-1	MPa	20
Tensile strain Yield	ISO R 527-1	%	10
Ball Indentation hardness H 49/30	ISO 2039-1	MPa	34
Shore D hardness	ISO 868	-	44
HDT, (0.45 MPa)	ISO 75B-1	°C	61
HDT, (1.80 MPa)	ISO 75A-1	°C	38

❖ Typical values; not to be construed as specifications.

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