



## Technical Datasheet: HDPE 3840

### Product Description:

MD-3840UA is a linear medium density polyethylene copolymers containing butane-1 as the comonomer with narrow molecular weight distribution. This resin designed to offer excellent processability, stiffness and fast grinding rate. This UV stabilized resin is ideally suited for application that requires good impact strength and ESCR along with excellent external and internal surface finish..

### Typical data:

Property	Test method	Unit	value
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	4.0
MFI(190°C / 5.0Kg)	ASTM D 1238	gr/10Min	-
Density	ASTM D 1505	gr/cm <sup>3</sup>	0.938
Flexural Modulus	ASTM D 790	MPa	900
Tensile Strength at yield	ASTM D 637	MPa	18
Elongation at Break	ASTM D 638	%	900
Charpy Impact Strength	ASTM D 256	Kj/m <sup>2</sup>	18
Hardness Shore D	ASTM D 2240	-	62
ESCR, F50, 100% Igepal,	ASTM D1894	hr	400
Vicat Softening Temperature	ASTM D 1525	°C	117
Melting Point	ASTM D2117	°C	127