

**MD-3840UA**  
**Medium Density polyethylene**

**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.

**Applications**

- Scpetic tanks
- Potable water tanks
- Large agricultural tanks
- Toys
- Wide variety consumer articles
- Canoes and Boats

**Typical data**

Property	Test Method	Unit	Typical Value
<b>Physical Properties</b>			
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	4.0
MFI(190°C / 5.0Kg)			-
Density	ASTM D 1505	gr/cm <sup>3</sup>	0.938
<b>Formulation</b>			
Anti Oxidant			√
UV Stabilizer			√
<b>*Mechanical Properties</b>			
Flexural Modulus	ASTM D 790	MPa	900
Tensile Strength at yield	ASTM D 638	MPa	18
Elongation at Break	ASTM D 638	%	900
Charpy Impact Strength	ASTM D 256	Kj/m <sup>2</sup>	8
Hardness Shore D	ASTM D 2240	-	62
ESCR, F50, 100% Igepal,	ASTM D1894	hr	400
<b>Thermal Properties</b>			
Vicat Softening Temperature	ASTM D 1525	°C	117
Melting Point	ASTM D2117	°C	127

The above data are typical laboratory average. They are intended to serve as guide only.