



Tabriz Petrochemical Company

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**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.

- Typical data

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

Property	Test Method	Unit	Typical Value
Physical Properties			
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	4.0
MFI(190°C / 5.0Kg)			-
Density	ASTM D 1505	gr/cm ³	0.938
Formulation			
Anti Oxidant			√
UV Stabilizer			√
Mechanical Properties			
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 ²	18
Hardness Shore D	ASTM D 2240	-	62
ESCR, F50, 100% Igepal,	ASTM D1894	hr	400
Thermal Properties			
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.