



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** 3840
- **Categories:** Polymer, Thermoplastic, Polyethylene, High Density Polyethylene
- **Processing Methods:** Rotation
- **Applications:** Sceptic tanks, Potable water tanks, Large agricultural tanks, Toys, Wide variety consumer articles, Canoes and Boats
- **Features:** Excellent processability, Good impact strength and ESCR

Physical Properties			
Properties	Value	Unit	Test Method
MFI(190°C/21.6 Kg)	4	g/10min	ISO 1133
Density	0.938	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Tensile Strength at Yield	18	MPa	ASTM D 638
Elongation at Break	900	%	ASTM D 638
Charpy Impact Strength	18	Kj/m ²	ASTM D 256
Flexural Modulus	900	MPa	ASTM D790
Hardness Shore D	62	-	ASTM D2240
ESCR, F50, 100% Igepal,	400	hr	ASTM D1894
Thermal Properties			
Melting Point	127	°C	ASTM D2117
Vicat Softening Temperature	117	°C	ASTM D1525

Typical Properties: These values are not to be considered as product specifications.

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