



# Lotrène® Q TR-400

POLYETHYLENE

## Medium Density Polyethylene Resin



### DESCRIPTION AND USE

This high molecular weight, hexene copolymer is tailored for geomembrane and pressure pipe application that require:

- Outstanding ESCR
- Excellent melt strength
- Good processability
- Broad fusion range

Typical applications for HHM TR400- include:

- Smooth and textured geomembrane
- Pressure Pipe

This resin meets these specifications:

- FDA Regulation 21CFR 177.1520
- ASTM D4976 - PE 225

NOMINAL PHYSICAL PROPERTIES	ASTM	UNIT	VALUE
Density	D1505	g/cm <sup>3</sup>	0.938
Melt Index, Condition 190 °C/2.16 kg HLMI, Condition 190 °C/21.6 kg	D1238 D1238	g/10min g/10min	0.11 11
Flexural Modulus, Tangent 16:1- span:depth, 12.7 mm/min	D790	MPa	760
ESCR, Condition B (100% Igepal), F <sub>50</sub>	D1693	h	>1500
Tensile Strength at Yield, 50 mm/min, Type IV bar	D638	MPa	20
Elongation at Break, 50 mm/min, Type IV bar	D638	%	>600
Brittleness Temperature, Type A clamp, Type I specimen	D746	°C	<-75

The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

### TECHNICAL DISCLAIMER

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