



SAFFRON GROUP

Q TR-400 - Medium Density Polythylene

Product Specification

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 ³	0.938
Melt Index, Condition 190 °C/2.16 kg	D1238	g/10min	0.11
HLMi, Condition 190 °C/21.6 kg	D1238	g/10min	11
Flexural Modulus, Tangent 16:1-span:depth, 12.7mm/min	D790	MPa	760
ESCR, Condition B (10% Igepal), F50	D1693	h	>1500
Tensile Yield Strength, 50mm/min, Type IV bar	D638	Mpa	20
Elongation at Break, 50mm/min, Type IV bar	D638	%	>800
Brittleness Temperature, Type A clamp, Type I specimen	D746	°C	<-75

Technical Disclaimer

The values reported in this technical data sheet are the results of tests carried out in accordance with standard test procedures in a laboratory environment. Actual properties may vary depending on batch and extrusion conditions. Therefore, these values should not be used for specification purposes. Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question, and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suitable for, and the information is applicable to, the user's specific application. Muntajat does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, expressed or implied, or allegedly arising from any usage of any trade or from any course of dealing, in connection with the use of the information contained herein or the product itself. The user expressly assumes all risks and liabilities, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Trademarks may not be used in any manner other than expressly authorized in a written agreement and no trademark or license rights of any kind are granted hereunder, by implication or otherwise.

FOR MORE INFORMATION :

SAFFRON GROUP • Georg-Wilhelm-Str. 181 • D-21107 Hamburg

Fon +49 (0) 40 55435542-0 • Fax +49 (0) 40 55435542-9 • info@saffron-group.com • www.saffron-group.com