



Lotrène® Q TR-571

POLYETHYLENE

High Density Polyethylene Resin



DESCRIPTION AND USE

This extra high molecular weight, hexene copolymer provides good balance of:

- Stiffness
- Melt strength
- Processability
- Chemical and stress-crack resistance

Typical applications include:

- Jerrycans
- Open top drums
- 220L L-ring drums

This resin meets these specifications:

- FDA Regulation 21 CFR 177.1520.
Suitable for food packaging.

NOMINAL PHYSICAL PROPERTIES	ASTM	UNIT	VALUE
Density	D1505	g/cm ³	0.953
Melt Index, Condition 190 °C/2.16 kg	D1238	g/10min	0.02
Condition 190 °C/5.0 kg			0.14
Condition 190 °C/21.6 kg			2.5
ESCR, Condition B, (100% Igepal), F ₅₀	D1693	h	300
Tensile Yield Strength, 50 mm/min	D638	MPa	27
Elongation at Break, 50 mm/min	D638	%	>600
Brittleness Temperature	D746	°C	<-75
Flexural Modulus, Tangent	D790	MPa	1,300
Shore D Hardness	D2240	-	63

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.

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