

Lotrène® Q 5502BN

High Density Polyethylene Resin

DESCRIPTION

This high molecular weight hexene copolymer is tailored for lightweight blow molded containers that require excellent stiffness, exceptional processability and exceptional stress cracking resistance.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Density	0.955	g/cm ³	ASTM D792
Melt Index (190°C / 2.16 kg)	0.35	g/10 min	ASTM D1238
ESCR Condition B, F50 (100% Igepal)	24	h	ASTM D1693
Tensile Yield Strength (50.8 mm/min, Type IV bar)	27	MPa	ASTM D638
Elongation at Break (50.8 mm/min, Type IV bar)	600	%	ASTM D638
Brittleness Temperature (Type A, Type I specimen)	< -75	°C	ASTM D746
Flexural Modulus, Tangent (16:1 span:depth, 12.7 mm/min)	1370	MPa	ASTM D790

NOTES / TEST CONDITIONS

* The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D4703, Annex A1.

TYPICAL APPLICATIONS / SPECIFICATIONS / DISCLAIMER

TYPICAL APPLICATIONS

Ice chest and coolers • Household and industrial chemical containers • Food packaging and pharmaceutical containers

SPECIFICATIONS

ASTM D4976 - PE 235 • FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per Table 2 of 21 CFR 176.170(c) • Listed in the Drug Master File

DISCLAIMER

Before using this product, the user is advised to make its own determination and assessment of the safety and suitability of the product for the specific use. Qatar Chemical Company Ltd disclaims all warranties, including merchantability or fitness for a particular purpose. The user assumes all risk and liability in connection with use of the information or product. Intellectual property and applicable international-law questions should be investigated by the user.

FOR MORE INFORMATION

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