

TRICOLENE® HDB5502

High Density Polyethylene Resin

This high molecular weight, hexene copolymer is tailored for lightweight blow molded containers that:

- Require excellent stiffness
- Require exceptional processability
- Are durable and recyclable for sustainability

This resin meets these specifications:

- ASTM D4976 – PE 235
- FDA 21 CFR 177.1520(c) 2.2, use conditions B through H per 21 CFR 176.170(c)
- Listed in the Drug Master File

Typical blow molded applications for HDB5502 include:

- Ice chests and coolers
- Household and industrial chemical containers
- Food Packaging
- Pharmaceuticals

TYPICAL CHARACTERISTICS

PROPERTIES ^(a)	TEST METHOD	TYPICAL VALUE (ENG)	TYPICAL VALUE (SI)
Density	ASTM D1505	---	0.955 g/cm ³
Melt Index, 190/2.16	ASTM D1238	---	0.35 g/10 min
Tensile Strength at Yield, 2 in/min, Type IV bar	ASTM D638	4,000 psi	27 Mpa
Elongation at Break, 2 in/min, Type IV bar	ASTM D638	600%	600%
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	ASTM D790	200,000 psi	1,370 Mpa
ESCR, Condition B (100% Igepal), F ₅₀	ASTM D1693	35 h	35 h
Brittleness Temperature, Type A, Type I specimen	ASTM D746	<-103°F	<-75°C

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

TRICON ENERGY LTD

777 POST OAK BLVD, STE 550, HOUSTON, TEXAS 77056, USA
Tel : +1 713 963 0066 Fax : +1 713 985 9160 www.triconenergy.com

The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. It is the user's responsibility to satisfy itself as to the suitability, accuracy, reliability, or completeness of such information for its particular use.