

Producer: Total Petrochemicals / France

## HDPE 5502 BN

### Description:

High Density Blow Molding Resin <sup>(5)</sup>

### Characteristics:

- Good stress cracking resistance
- Excellent stiffness
- Drug Master File listed
- USP Class VI approved
- FDA compliant<sup>(4)</sup>
- UL 94HB/746 certified

### Applications:

- Bleach and Detergents
- Industrial chemicals
- Industrial parts
- Suitable for food packaging

PROPERTIES	TYPICAL VALUE	ASTM METHOD
<b>Resin Properties<sup>(1)</sup></b>		
Melt Flow Index, g/10 min 190°C/2.16 kg 190°C/21.6 kg (HLMI)	0.35 30.0	D 1238
Density, g/cm <sup>3</sup>	0.955	D 792
Melting Point, °F	264	D 3417
<b>Mechanical Properties<sup>(1)(2)</sup></b>		
Tensile Strength at Yield, psi	4	D 638, Type IV specimen, 2 in/min
Elongation at Break, %	600	D 638, Type IV specimen, 2 in/min
Flexural Modulus, psi	200,000	D 790
ESCR <sup>(3)</sup> , hrs 100% Igepal 10% Igepal	50 35	D 1693, Cond B

### Processing Recommendation:

Blow Molding Stock Temperature	360 – 400 °F
Extrusion Melt Temperature	380–420 °F

<sup>(1)</sup> - Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

<sup>(2)</sup> - The data listed were determined on compression molded specimens and may, therefore, vary from specimens taken from molded articles.

<sup>(3)</sup> - Environmental Stress Crack Resistance (ESCR)

<sup>(4)</sup> - Complies with FDA 21 CFR § 177.1520, Para. (c) 2.1 and 2.2

<sup>(5)</sup> - Anti-stat version available