



TECHNICAL DATA SHEET (TDS)

HDPE BM03-55

HIGH DENSITY POLYETHYLENE

OVERVIEW: Excellent stiffness, stress crack resistance.

Applications: general purpose blow resin, pharmaceutical packaging.

Complies with the specifications U.S FDA 21 CFR 177.1520

ADDITIVE:

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	0.35
Density	ASTM D1505	g/cc	0.955
Properties			
Environmental stress crack Resistance (ESCR)condition AF50 (100% igeval)	ASTM D1693	h	45
Environmental stress crack Resistance (ESCR)condition BF50 (100% igeval)	ASTM D1693	h	35
Tensile yield strength 2"per min	ASTM D638 type IV	Psi	4000
ultimate Elongation 2" per min	ASTM D638 type IV	%	>600
Brittleness Temperature	ASTM D746	°F	<-180
Flexural Modulus	ASTM D790	Psi	200000

Physical properties measured on compression molded specimens

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