



TECHNICAL DATA SHEET (TDS)

HDPE DG07-62 HIGH DENSITY POLYETHYLENE

OVERVIEW:

Maximum rigidity, high impact strength, top load strength, moderate swell.
Applications: all food packaging applications including holding food during cooking.
Complies with the specifications U.S FDA 21 CFR 177.1520 (C) 2.2.

ADDITIVE: Antiblock: None

Slip: None

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	0.7
Density	ASTM D1505	g/cc	0.961
Properties			
Tensile strength at yield	ASTM D638	Psi/MPa	4365/30
Average Hardness	ASTM D2240	Shore D	65
Flexural Modulus	ASTM D790B	Psi/MPa	250000/1724
Elongation at Break	ASTM D638	%	750
Environmental Stress Crack Resistance 122°F(50°),f50, 100% igeal®	ASTM D 1693	hrs	15
Brittleness Temperature	ASTM D 746	°F (°C)	<-105(<-76)
Deflection Temperature Under Load @66 psi/0.45 Mpa	ASTM D 640	°F (°C)	210(99)

Physical properties measured on compression molded specimens

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