



TECHNICAL DATA SHEET (TDS)

HDPE IM7-54 HIGH DENSITY POLYETHYLENE

OVERVIEW:

Excellent processability, outstanding balance of stiffness, cold temperature impact, toughness and ESCR, good organoleptic properties and color

Applications: Bulk food, industrial and lubricant shipping pails, caps and closures bins and totes.

Complies with the specifications U.S FDA 21 CFR 177.1520

ADDITIVE:

Antioxidant

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	6.7
Density	ASTM D792	g/cm ³	0.954
Film Properties			
Tensile strength at yield (50mm/min)	ASTM D638	Psi/MPa	4100/28
Elongation @break (50 mm/min)	ASTM D638	%	1300
Flexural Modulus	F 790	Psi/MPa	155000/1070
Hardness, Shore D	ASTM D2240	—	63
Softening Point (Vicat)	ASTM D1525	°C(°F)	124(255)
ESCR F50	ASTM D1693	H	<10

Physical properties measured on compression molded specimens

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