

HD53-5000 High Density Polyethylene

HD53-5000 is a certified prime grade designed for injection molding of multi-cavity thin-wall food containers. **HD53-5000** offers a balance of excellent processability, good impact strength, good stiffness and toughness. **HD53-5000** complies with FDA regulation 21CFR 177.1520(c) 3.2a.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	50.0
Density	D1505	g/cm ³	0.952
Durometer Hardness	D2240	Shore D	62
MECHANICAL			
Flexural Modulus ¹	D790	psi	145k
Tensile Strength @ Yield ²	D638	psi	3400
Elongation @ Break ²	D638	%	15

Typical Value of Properties not to be construed as specifications

* Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

1 - @ 0.51 in/min

2 - @ 2 in/min.



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