

HD53-7000 High Density Polyethylene

HD53-7000 is a certified prime grade designed for injection molding of multi-cavity thin-wall food containers. **HD53-7000** features a NARROW molecular weight distribution offering excellent processability, good impact strength, good dimensional stability and good warpage resistance. **HD53-7000** recommended processing temperature is 210 to 230°C. with mold @ 20 to 40°C. **HD53-7000** complies with FDR regulation 21CFR 177.1520(c) 3.1a and most international regulations concerning the use of Polyethylene in contact with food articles.

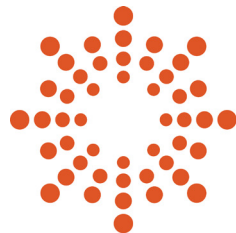
PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	70.0
Density	D1505	g/cm ³	0.953
HDT Under Load (66 psi Unannealed)	D648	°F	156
MECHANICAL			
Flexural Modulus - 2% Secant	D790	psi	150k
Tensile Strength @ Yield ²	D638	psi	3000
Tensile Impact Strength	D1822	ft-lb/in ²	40
Elongation @ Break ²	D638	%	10

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.



Genesis Polymers

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