

HD53-2000 High Density Polyethylene

HD53-2000 is a Hexene copolymer certified prime grade designed for injection molding, general purpose applications. **HD53-2000** features easy processability, good impact strength and good toughness. **HD53-2000** complies with FDA regulation 21CFR 177.1520(c) 3.2a.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
RESIN			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	7.0
Density	D1505	g/cm ³	0.952
Env. Stress Cracking Resistance (F50)	D1693	hr	10.0
MOLDED SPECIMEN			
Flexural Modulus ¹	D790	psi	160k
Tensile Strength @ Yield ²	D638	psi	4k
Elongation @ Break ²	D638	%	1000
Izod Impact Notched @23°C	D256	ft. lb/in ²	27
HDT @ 66 psi (Under Load)	D648	°F	167
Brittleness Temperature	D746	°F	264
Vicat Softening Temperature	D1525	°F	-130

Typical Value of Properties not to be construed as specifications

1 - 0.051 in/min.

2 - @ 2 in/min.



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