



Custom Plastic Sheet and Roll Extrusion Since 1969

800-541-2353
sales@futurexsales.com
futurexplastics.com



HYDEX 500

Fractional Melt High Density Polyethylene

HYDEX 500 is the Futurex designation for 100% high density polyethylene. While it is an excellent high strength product, it is better suited for forming applications requiring shallow draws and for non-forming applications. **HYDEX 500** is available in a variety of surface finishes as listed below and may be custom color matched to your specific needs.

The natural resin used in **HYDEX 500** meets the requirements of FDA regulation 177.1520 (Section 21 CFR). If a color is added to this sheet and it is used for applications involving contact with food, contact any member of our Futurex Sales or Customer Service team to request a colorant that also meets the appropriate FDA requirements.

Capabilities

Texture	Gauge Range	Max Width
#1 Haircell	.023 -.375"	94"
Levant	.060-.300"	68"
Matte	.016-.375"	94"
Smooth	.016-.050" .050-.375"	49" 94"
Cracked Ice	.023"-.115"	49"
Crush	.023"-.115"	49"

Our virgin resins are in compliance with:
California Prop 65, RoHS, Reach/SVHC,
PFAS, Conflict Minerals, & FDA Food Contact

These are our typical ranges. Other ranges may be available by request.

Typical Properties

General Properties	Test Method	Values
Density	ASTM D-792	0.955 g/cm ³
Melt Flow Index @ 190° C / 2.16 kg @ 190° C / 21.6 kg (HLMI)	ASTM D-1238 ASTM D-1238	.35 g/ 10 min 30.0 g/10 min
Environmental Stress Crack (ESCR) Condition B, 100% Igepal Condition B, 10% Igepal	ASTM D-1693 ASTM D-1693	45 hrs 35 hrs
Tensile Strength @ Yield (@ 2 in/min)	ASTM D-638	4,000 psi
Tensile Elongation at Break	ASTM D-638	>600%
Flexural Modulus	ASTM D-790	200,000 psi

Additional specifications available upon request.

These data are presented only as typical properties of the base resins which, to the best of our knowledge, are true and accurate. However, since Conditions of use are beyond our control, all recommendations or suggestions are presented without guaranty or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise. All risks of such use are assumed by the user. Furthermore, nothing contained herein shall be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing or future patents.