

Polycarbonate

Mitsubishi Iupilon® H-4000 is a high melt flow optical disc polycarbonate for use in

DVD, DVD-RAM, CD, CD-R, CD-RW, and Mini Discs

Mitsubishi Iupilon® H-4000 Features

- Clarity - High
- Colorability - Good
- Cycle Time - Fast
- Ignition Resistant - Self-Extinguishing
- Impact Resistance - Good
- Toxicity - None
- Viscosity - High
- Weather Resistance - High
- Heat Resistance - High
- Electrically Insulating



MEDIA SERVICES GROUP

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USA

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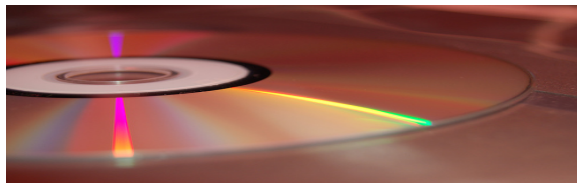
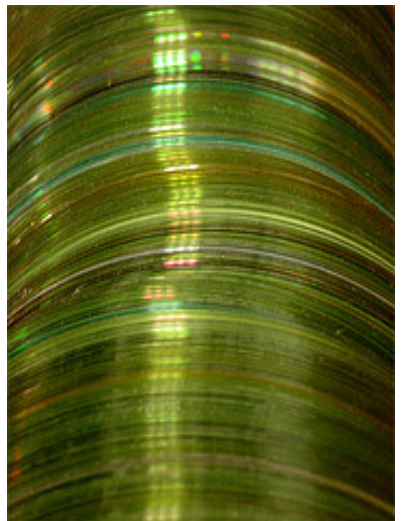
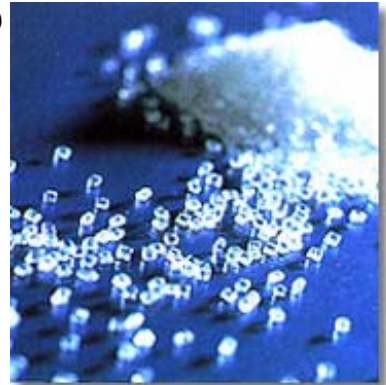
info@mediaservicesgroupusa.com

ITOCHU Chemicals America, Inc. (ICAI) recently expanded its sales presence by appointed Media Services Group LLC as its sales agent for selling Mitsubishi / Formosa polycarbonate resins. Media Services Group will be responsible for expanding the market presence on the east coast, and in the Mid-western states, as well as Canada.

ICAI (formerly ITOCHU Specialty Chemicals, Inc.) is a leading distributor and marketer of inorganic, organic, functional and specialty chemicals, as well as plastic and rubber. It is also a major distributor of lacquer and bonding material for the optical disc industry.

Media Services Group LLC is based in the Southern Maine. Over the years it has provided a variety of services in the optical disc industry. With over fifty years of combined experience in the industry, Media Services Group has continued to expand and develop strong relationships by providing quality products and services.

Iupilon® H-4000 by Mitsubishi is an optical disc polycarbonate resin with more than 30 successful years on the market. To receive additional information, technical specifications, or to place an order for MEP optical grade polycarbonate, please call Media Services Group at 207-286-3000.



Mitsubishi Iupilon® H-4000

General Characteristics

Physical	Value	Unit of Measure	Conditions	Test
Density - Specific Gravity	1.2	sp gr	23/23°C	ASTM D-792
Mold Shrink Linear Flow	0.005 to 0.008 (0.0127 to 0.02032)	in/in (mm/mm)		ASTM D-955
Mold Shrink Linear Trans	0.005 to 0.008 (0.0127 to 0.02032)	in/in (mm/mm)		ASTM D-955
Mold Shrink Linear Flow	8,400 (57.96)	psi (MPa)0.1250" (3.175mm)		ASTM D-638
Water Absorption @ 24hrs	0.15	%	73°F(22.7°C)	ASTM D-570
Mechanical	Value	Unit of Measure	Conditions	Test
Tensile Strength	9,020 (62.238)	psi (MPa)	73°F(22.7°C)	ASTM D-638
Tensile Elongation @ Break	120	%	73°F(22.7°C)	ASTM D-638
Flexural Modulus	334,000 (2.304)	psi (GPa)	73°F(22.7°C)	ASTM D-790
Flexural Strength	12,400 (85.56)	psi (MPa)	73°F(22.7°C)	ASTM D-638
Impact	Value	Unit of Measure	Conditions	Test
Notched Izod Impact Strength	1.12 to 1.8326 (60 to 98)	ft-lbs/in (J/m)	0.125" (3.2 mm), 73°F (22.7°C)	ASTM D-256
Hardness	Value	Unit of Measure	Conditions	Test
Rockwell Hardness	123	R-Scale		ASTM D-785
Rockwell Hardness	65	M-Scale		ASTM D-785
Thermal	Value	Unit of Measure	Conditions	Test
Deflection Temperature Under Load	249.8 (121)	°F (C°)	264 psi (1,820 KPa)	ASTM D-648
Deflection Temperature Under Load	248 to 257 (120 to 125)	°F (C°)	66psi (455 KPa)	ASTM D-648
Coefficient of Linear Thermal Expansion	0.00	in/in/°F	68 to 174°F (20 to 78.8°C)	ASTM D-648
Electrical	Value	Unit of Measure	Conditions	Test
Surface Resistivity	1000000000000000	Ohm		ASTM D-257
Volume Resistivity	2.1e +016	ohms-cm		ASTM D-257

