

# HI-ZEX MILLION™ 145M

High Molecular Weight Polyethylene

Mitsui Chemicals, Inc.

Message:

HI-ZEX MILLION™145M is a high molecular weight polyethylene material. This product is available in the Asia-Pacific region and is processed by extrusion, molding or plunger extrusion.

HI-ZEX MILLION™The main features of 145M are:

- Impact resistance
- accessible food
- moisture resistance
- chemical resistance

Wear-resistant

Typical application areas include:

- engineering/industrial accessories
- food contact applications
- medical/health care
- bag/lining
- sheet

General Information	
Features	Impact resistance, high
	Good wear resistance
	Low temperature impact resistance
	Good chemical resistance
	Compliance of Food Exposure
	Low or no water absorption
	Self-lubricating
Uses	Films
	Lining
	Gear
	Conveyor accessories
	Washer
	Valve/valve components
	Non-specific food applications
	Industrial application
	Pipe fittings
	Roller
	Connector
	Agricultural application
	Sheet
	Sporting goods
	Fiber
	Repair Repair

Agency Ratings	FDA 21 CFR 177.1520(c) 2.2
Processing Method	Extrusion Molding Plunger press-out

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ASTM D1505
Apparent Density	0.49	g/cm <sup>3</sup>	ASTM D1895
Average Molecular Weight	1.15E+6		Internal method
Average Particle Size	150	μm	Internal method
Dynstat Impact	107	kJ/m <sup>2</sup>	Internal method
Sand Abrasion Wear - mg	6.00	mg/g	Internal method
Mechanical	Nominal Value		Test Method
Coefficient of Friction	0.20		Internal method

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

