

Product Data

TITANZEX HM5000 FOR MONOFILAMENT

CHARACTER HM5000 is a high density polyethylene for extrusion monofilament. HM5000 meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 3.1a & 3.2a

APPLICATIONS Yarn, Ropes, Fishing nets.

ADVANTAGES Excellent processability, high stiffness, high draw down capability.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HM5000</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index	g/10 min	0.8	D 1238
Density	g/cm ³	0.951	D 1505
Vicat Softening Point	°C	126	D 1525

TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm ²	260	D 638
Tensile strength at break	kg/cm ²	390	D 638
Elongation at break	%	> 500	D 638
Stiffness (Olsen)	kg/cm ²	8000	D 747
Izod impact strength	kg·cm/cm	20	D 256
Shore hardness	D scale	62	D 2240
Stress cracking resistance (F ₅₀)	hr	30	D 1693

(a) Values shown are typical and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168

