

Product Data

TITANEX HM4560UA FOR HDPE LARGE BLOW MOLDING

CHARACTER	HM4560UA is an UV light stabilized, pelleted high molecular weight, high density polyethylene Hexene-1 resin for medium-large blow molding.
APPLICATIONS	Intermediate bulk containers, agricultural containers, industrial chemical containers and pallets.
ADVANTAGES	Excellent stress crack resistance, excellent resistance to most chemicals and outstanding rigidity with high impact strength and high melt strength.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HM4560UA</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index, I ₂₁	g/10 min.	6	D 1238
Density	g/cm ³	0.945	D 1505
Tensile strength at yield	kg/cm ²	240	D 638
Tensile strength at break	kg/cm ²	350	D 638
Ultimate elongation	%	> 600	D 638
Flexural modulus	kg/cm ²	11,000	D 790
Heat deflection temperature at 4.6 kg/cm ²	°C	75	D 648
Izod impact strength	kg.cm/cm	65	D 256
ESCR bent strip, F ₅₀	Hrs	> 1,000	D 1693 ^(c)
Vicat softening point	°C	125	D 1525

(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.

(c) 10% "Igepal", 1.9mm specimen, slit, 50°C, Procedure B

Typical moulding conditions

Rear zone temperature setting, °C	: 180 – 220
Front zone temperature setting, °C	: 190 – 230
Head and die temperature setting, °C	: 190 – 230

LOTTE CHEMICAL TITAN (M) SDN. BHD.

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