

Product Data

TITANEX HM4560UA-C FOR HDPE LARGE BLOW MOLDING

- CHARACTER** HM4560UA-C 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-C (a)</u>	<u>ASTM METHOD (b)</u>
Melt index, I ₂₁	g/10 min.	7	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

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