

Formosa Plastics Formolene® DB5305A Blow Molding HDPE (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Extra High Molecular Weight Polyethylene Formolene® DB5305A is tailored for large part blow molding applications. Besides having excellent chemical resistance properties Formolene® DB5305A HDPE has outstanding environmental stress crack resistance properties and exceptional impact and creep resistance. Formolene® DB5305A meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(c) 3.2a, covering safe use of polyolefin articles intended for direct food contact. Formolene® DB5305A also meets all requirements of ASTM D4976-95 – PE 235. Applications: 55-Gallon, Drums Heavy Gauge Sheet, Industrial Tanks and Large Diameter Corrugated Pipe Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-DB5305A-Blow-Molding-HDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	Condition B, F₅₀; ASTM D1693
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 190 °C	5.5 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition F; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	2" (50mm) per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min, Type IV; ASTM D638
Flexural Modulus	1.34 GPa	195 ksi	ASTM D790
Tensile Impact Strength	451 kJ/m ²	215 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C	165 °F	no specified load; ASTM D648
Vicat Softening Point	126 °C	259 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China