

Formosa Plastics Formolene® HL5505 Blow Molding HDPE (discontinued **)

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

Material Notes:

Extra High Molecular Weight Copolymer Applications: 55 gallon drums (even those with demanding built-in handling rings), industrial tanks Formolene HL5505 is intended for large part blow molding applications. Besides having excellent chemical resistance properties HL5505 HDPE has outstanding environmental stress crack resistance properties, and exceptional impact and creep resistance. Formolene HL5505 meets all requirements of ASTM D1248 - Type II, Category 5. Formolene HL5505 meets all requirements of ASTM - Type III, Category 5 and ASTM 4967-89-PE235. Produced using licensor formulation for HXM TR-570. Licensor does not warrant or imply that this product meets their specifications for HXM TR-570. Nominal properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Physical properties are typical of product but do not reflect normal testing variance and therefore should not be used for specification purposes. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HL5505-Blow-Molding-HDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	Condition A (100% Igepal), F _{>50} ; ASTM D1693
	>= 1000 hour	>= 1000 hour	Condition B (10% Igepal), F _{>50} ; ASTM D1693
High Load Melt Index	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	2" (50mm) per min.; ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min.; ASTM D638 Type IV
Flexural Modulus	1.34 GPa	195 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -83.9 °C	<= -119 °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