



Formolene® FC605BA

Formosa Plastics Corporation, U.S.A. - Low Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

Formolene® FC605BA is a low density polyethylene offering good stiffness and good toughness.

Formolene® FC605BA is formulated without slip and antiblock for use in applications offering easy processing.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Stiffness • Good Toughness • Low Density
Uses	• Compounding • Household Goods • Food Packaging • Masterbatch
Agency Ratings	• EC 1907/2006 (REACH)
Processing Method	• Compounding • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	22000	psi	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1400	psi	ISO 527-2/1A/50
Tensile Strain (Break)	> 100	%	ISO 527-2/1A/50
Films	Nominal Value	Unit	Test Method
Dart Drop Impact	540	g	ASTM D1709
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	45		ISO 868
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	190	°F	ISO 306

Notes

¹ Typical properties: these are not to be construed as specifications.