



Polyon POLYETHYLENE
RESINS

HDPE

2017



Polygon

Technical Data Sheet
Revision 0 (November/15/16)

POLYENE H035

High Density Polyethylene

Description:

Polyene H035 is a high density polyethylene copolymer resin offering a balanced combination of superior top-load strength and ESCR properties. Designed for blow molding applications requiring high stiffness and stress crack resistance. Also usable as a sheet extrusion and thermoforming resin. It complies with FDA 21 CFR 177.1520.

Applications:

General purpose blow molding, household chemical, cosmetic containers and general containers.

Control Properties:

	Method ASTM	Units	Value
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10	0.35
Density	D 4883	g/cm ³	0.955

Properties		Method ASTM	Nominal Value
Tensile Strength @ Yld	Psi	D 638	4,000
	Mpa		28
Flexural Modulus Tangent	Psi	D 638	185,000
	Mpa		1,276
Elongation @ Brk	%	D 638	> 500
ESCR F50, 100% IGEPAI, Condition B	H	D 1693	25

Final Observations:

Polygon Polymers and its affiliate Polygon Mexico cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.

THIS PRODUCT DATA SHEET EFFECTIVE AUGUST 2016 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

CD DE MEXICO TAMAULIPAS TIJUANA SAN DIEGO MIAMI BARCELONA