

HD45-006Z

High Density (HMW) Polyethylene

HD45-006Z is a high molecular weight high density polyethylene copolymer which contains an UV inhibitor. It provides a combination of excellent processability, outstanding melt strength, high impact strength, chemical resistance and high stress cracking resistance. **HD45-006Z** complies with FDA regulation 21CFR 177.1520 (c) 3.2 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (HLMI, 190 °C/21.6 kg)	D1238	g/10 min	6.3
Density	D1505	g/cm ³	0.945
Env. Stress Crack Resistance (Comp. F50)	D1693	hr	>1000
MECHANICAL			
Flexural Modulus ¹	D790	psi	120k
Tensile Strength @ Yield ²	D638	psi	3500
HDT Under Load (264 psi, unannealed)	D648	° F	148
Durometer Hardness	D2240		53

Typical Value of Properties not to be construed as specifications

* Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

1 - @ 0.51 in/min

2 - @ 2 in/min.



The technical information, suggested uses and applications presented are made without charge and are believed to be reliable; however, the Ravago Group* disclaims responsibility for reliance and results of use of this information. THE RAVAGO GROUP DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT(S) DESCRIBED HEREINABOVE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The Ravago Group expressly disclaims any statements or suggestions as being inducement. All users should rely upon their own knowledge and testing in determining product suitability.