

IMG HDPE 809



DATA SHEET

PROPERTY	VALUE	ASTM
Melt Index (190 °C/2.16 kg)	19 g/10 min	19 g/10 min D 1238
Density	0.952 g/cm ³	0.952 g/cm ³ D 4883
Deflection Temperature Under Load @ 66 psi - Unannealed	144 °F	62.0 °C D 648
Deflection Temperature Under Load @ 264 psi - Unannealed	104 °F	40.0 °C D 648
Melting Temperature	268 °F	131 °C D 3418
Tensile Strength at Yield	3380 psi	23.3 MPa D 638
Elongation at Break	48 %	48 % D 638
Flexural Modulus - 1% Secant	114000 psi	784 MPa D 790B
Environmental Stress Crack Resistance	< 2.00 hr	< 2.00 hr D 1693
Notched Izod Impact (- 40 °F, - 40 °C)	0.99 ft-lb/in	53 J/m D 256

Additives: UV Stabilizer

Product Description: HDM 519-UV is a narrow molecular weight hexene copolymer used for injection molding applications, combining easy processability toughness. This resin is good for articles requiring low warpage, glossy surfaces and cold temperature impact resistance.

Recommended Applications: Food packaging containers, houseware articles, lawn & garden accessories, soda carrier totes, and toys.

FDA Status: This resin complies with FDA regulation 21 CFR 177.1520 (c) 3.1a, and may be used as articles or components of articles intended for packaging or holding food, except during cooking.