

ExxonMobil

HDPE

HMA 016

Product information

Manufacturer	ExxonMobil Chemical Company
Color	NC
Material Shape	Pellets
Process	Injection molding
Features	High glossDimensional stabilityHigh impactRapid moldability
Application	ToysClosuresFood containerFood packaging applicationHousewares application
Additives	Heat Stabilizer

Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Yield	ISO 527	10	%
Elongation	Break	ISO 527	100	%
Flexural	Modulus	ISO 178	970	MPa
Izod	Notch Impact	ISO 180	4.0	kJ/m ²
Tensile	Strength Yield	ISO 527	23	MPa
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.956	g/cm ³
Environmental	Stress Crack Resistance 10%Igepal 50°C	ASTM D1693	2	hr
Melt	Index 190°C 2.16kg	ASTM D1238	20	g/10min
Thermal	Condition	Standard	Value	Unit
HDT	0.45MPa	ISO 75	64	°C
Melting	Temperature Peak	ASTM D3418	133	°C