

ExxonMobil

HDPE

HTA 001HP5

Product information

Manufacturer	ExxonMobil Chemical Company
Color	NC
Material Shape	Pellets
Process	Blow molding
Molecular Weight	High Molecular Weight
Material Attribute	Film grade Unantiblock
Features	Non slip agentHigh impactHigh stiffnessHigh toughnessGood processability
Application	LinersBagsShopping bagThin gauged bagsTrash bagBlown film
Additives	Heat Stabilizer

Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow	ASTM D1922	7	g
Elmendorf	Tear Strength xFlow	ASTM D1922	30	g
Elongation	Flow Break	ASTM D882	210	%
Elongation	xFlow Break	ASTM D882	430	%
Falling	Weight Impact Strength	ASTM D1709	190	g
Secant	Modulus 1% Flow	ASTM D882	1200	MPa
Secant	Modulus 1% xFlow	ASTM D882	1200	MPa
Tensile	Strength Flow Yield	ASTM D882	41	MPa
Tensile	Strength xFlow Yield	ASTM D882	29	MPa
Tensile	Strength Flow Break	ASTM D882	60	MPa
Tensile	Strength xFlow Break	ASTM D882	48	MPa

Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.952	g/cm ³
Melt	Index 190°C 21.6kg	ASTM D1238	9.5	g/10min
Melt	Index 190°C 5kg	ASTM D1238	0.32	g/10min

Thermal	Condition	Standard	Value	Unit
Vicat	Softening Temperature	ASTM D1525	126	°C