

Secco

HDPE

HD5301AA

Product information

Manufacturer	Shanghai Secco Petrochemical Co., Ltd
Material Shape	Pellets
Process	Blow molding
Polymer	Copolymer
Material Attribute	Film grade Food Contact grade C6
Features	Good tear strengthHigh stiffnessGood processabilityEthylene 1-hexene copolymer
Application	Industrial packaging applicationBagsFreshness protection packageShopping bagTotesBlown filmFilmHigh strength film

Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Flow Break	GB/T 1040	500	%
Elongation	xFlow Break	GB/T 1040	700	%
Falling	Weight Impact Strength	GB/T 9639	116	g
Tensile	Strength Flow Yield	GB/T 1040	32	MPa
Tensile	Strength xFlow Yield	GB/T 1040	30	MPa
Tensile	Strength Flow Break	GB/T 1040	70	MPa
Tensile	Strength xFlow Break	GB/T 1040	50	MPa
Optical performance	Condition	Standard	Value	Unit
Transmittance		GB/T 2410	90	%
Physical property	Condition	Standard	Value	Unit
Density	Unannealed	INTERNAL METHOD	0.949	g/cm ³
Melt	Index 190°C 21.6kg	GB/T 3682	9.5	g/10min
Thermal	Condition	Standard	Value	Unit
HDT	0.45MPa	GB/T 1634	69	°C
Melting	Temperature DSC	GB/T 19466	132	°C
Vicat	Softening Temperature 50°C/hr 10N	GB/T 1633	124	°C