

ExxonMobil™ HDPE HTA 001HD5

High Density Polyethylene (HMW) Resin

ExxonMobil Chemical

Message:

HTA 001HD5 is a high molecular weight HDPE film grade. Films made from HTA 001HD5 exhibit excellent impact and toughness properties as well as high stiffness.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	9.0	g/10 min	ASTM D1238
190°C/5.0 kg	0.32	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	1200	MPa	ASTM D882
1% secant, TD	1200	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	41.0	MPa	ASTM D882
TD: Yield	30.0	MPa	ASTM D882
MD: Fracture	59.0	MPa	ASTM D882
TD: Fracture	56.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	220	%	ASTM D882
TD: Fracture	430	%	ASTM D882
Dart Drop Impact	190	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	8.0	g	ASTM D1922
TD	30	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Legal statement			

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