

ExxonMobil™ HDPE HTA 001HP5

High Density Polyethylene (HMW) Resin

ExxonMobil Chemical

Message:

HTA 001HP5 is a high molecular weight HDPE film grade providing very good processability on high output extruders. Films made from HTA 001HP5 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	9.5	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	29.0	MPa	ASTM D882
MD: Fracture	57.0	MPa	ASTM D882
TD: Fracture	48.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	210	%	ASTM D882
TD: Fracture	430	%	ASTM D882
Dart Drop Impact	190	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	7.0	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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