

ExxonMobil™ HDPE HTA 002HD5

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HTA 002HD5 is a general purpose medium molecular weight HDPE grade, characterized by easy processability, especially in coextrusion and blending with other polyolefins. HTA 002HD5 can also be used pure, especially for easy processing and conversion into small and thin bags, to be used for light item packaging.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	16	g/10 min	ASTM D1238
190°C/5.0 kg	0.68	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	960	MPa	ASTM D882
1% secant, TD	1200	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	29.0	MPa	ASTM D882
TD: Yield	29.0	MPa	ASTM D882
MD: Fracture	55.0	MPa	ASTM D882
TD: Fracture	50.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	320	%	ASTM D882
TD: Fracture	450	%	ASTM D882
Dart Drop Impact	160	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	8.0	g	ASTM D1922
TD	60	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Legal statement			

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

