

ExxonMobil™ HDPE HD 7845.30

High Density Polyethylene Resin

ExxonMobil Chemical

Message:

HD 7845.30 can be processed on high film neck, bag extrusion, or casting production lines. The film made of HD 7845.30 has excellent stiffness balance. High thermal stability makes the product have excellent film appearance and can be recycled with high quality. HD 7845.30 is especially recommended as a mixture of linear low density polyethylene to produce relatively transparent films.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.45	g/10 min	ASTM D1238
190°C/21.6 kg	30	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	1080	MPa	ASTM D882
1% secant, TD	1610	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	34.5	MPa	ASTM D882
TD: Yield	13.1	MPa	ASTM D882
MD: Fracture	83.8	MPa	ASTM D882
TD: Fracture	36.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	420	%	ASTM D882
TD: Fracture	4.0	%	ASTM D882
Dart Drop Impact	< 40	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	8.5	g	ASTM D1922
TD	780	g	ASTM D1922
Legal statement			

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