

ExxonMobil™ LDPE LD 071 Series

Low Density Polyethylene Resin
ExxonMobil Chemical

Message:

ExxonMobil LD 071 series box winding film resin combines good processability, excellent strength and excellent film optical properties, and is suitable for cluster packaging that requires suitable shrinkage, toughness, burn-through resistance and transparency.

General Information			
Additive		LD 071.LR: anti-caking agent (2000 ppm)	
		LD 071.LQ: anti-caking agent (4000 ppm)	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	235	MPa	ASTM D882
1% secant, TD	288	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.3	MPa	ASTM D882
TD: Yield	11.6	MPa	ASTM D882
MD: Fracture	25.8	MPa	ASTM D882
TD: Fracture	22.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	130	%	ASTM D882
TD: Fracture	540	%	ASTM D882
Dart Drop Impact	160	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	510	g	ASTM D1922
TD	140	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	57		ASTM D2457
Haze	9.6	%	ASTM D1003
Legal statement			

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