

ExxonMobil™ LDPE LD 506.07

Low Density Polyethylene Resin
ExxonMobil Chemical

Message:

ExxonMobil LD 506.07 is a high-fluidity low-density polyethylene homopolymer with good processability. It is suitable for manufacturing color masterbatch and injection molded articles.

General Information			
Additive	LD 506.07: heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	81		ASTM D2240
Shaw D, 15 seconds	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	12.3	MPa	ASTM D638
Fracture	8.07	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	20	%	ASTM D638
Fracture	130	%	ASTM D638
Flexural Modulus - 1% Secant	250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-20°C	24.4	J	ASTM D3763
23°C	16.3	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.0	°C	ASTM D1525
Legal statement			

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