

ExxonMobil™ LDPE LD 503.LP

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LD 503.LP is a low density polyethylene homopolymer suitable for molding, extrusion, granulation and foam applications.

General Information			
Additive	Sliding agent (200 ppm)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	84		ASTM D2240
Shaw D, 15 seconds	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.6	MPa	ASTM D638
Fracture	9.38	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	40	%	ASTM D638
Fracture	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	216	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-40°C	25.8	J	ASTM D3763
23°C	17.6	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ASTM D1525
Legal statement			

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