

Optema™ TC 114 Blown

Ethylene Methyl Acrylate Copolymer Resin

ExxonMobil Chemical

Message:

OPTEMA TC 114 is an ethylene-methyl acrylate copolymer, specially developed for extruding properties for blown film applications. It can be used to produce soft elastic films with good operability without additional additives. OPTEMA TC 114 can be used to produce films with a thickness of less than 1.0 mils.

General Information			
Additive	Anti-caking agent (1)		
	heat stabilizer		
	Slip agent (3000 ppm)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.2	g/10 min	ASTM D1238
Methyl Acrylate Content	18.0	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	49.4	MPa	ASTM D882
1% secant, TD	51.4	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	19.7	MPa	ASTM D882
TD: Fracture	19.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	380	%	ASTM D882
TD: Fracture	670	%	ASTM D882
Dart Drop Impact	370	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	45	g	ASTM D1922
TD	310	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	57.0	°C	ASTM D1525
Legal statement			

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