

Optema™ TC 110 Blown

Ethylene Methyl Acrylate Copolymer Resin

ExxonMobil Chemical

Message:

OPTEMA TC 110 is an ethylene-methyl acrylate copolymer developed for extrusion properties required by blown films. It can be used to produce soft elastic films with good operability without additional additives. It can be used to produce films with a thickness of less than 1.0 mil.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Methyl Acrylate Content	21.5	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	43.0	MPa	ASTM D882
1% secant, TD	39.7	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	19.8	MPa	ASTM D882
TD: Fracture	20.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	370	%	ASTM D882
TD: Fracture	650	%	ASTM D882
Dart Drop Impact	430	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	30	g	ASTM D1922
TD	320	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	34		ASTM D2457
Haze	16	%	ASTM D1003
Legal statement			

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