

Optema™ TC 110 Molding

Ethylene Methyl Acrylate Copolymer Resin

ExxonMobil Chemical

Message:

OPTEMA TC 110 is an ethylene-methyl acrylate copolymer. TC 110 can be used for injection molding. It can be used for alloys, mixtures or synthetic materials to improve impact strength or reduce modulus. TC 110 can be used for injection molding and extrusion.

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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	86		ASTM D2240
Shaw D, 15 seconds	26		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.00	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	37.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-40°C	32.5	J	ASTM D3763
23°C	17.6	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	51.0	°C	ASTM D1525
Legal statement			

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