

Optema™ TC 120 Molding

Ethylene Methyl Acrylate Copolymer Resin

ExxonMobil Chemical

Message:

OPTEMA TC 120 is an ethylene-methyl acrylate copolymer, which can be used as an impact modifier or compatibilizer for polymer mixtures. TC 120 are processed by typical low density polyethylene granulation equipment at 625 °F.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	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	75		ASTM D2240
Shaw D, 15 seconds	28		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.86	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	32.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-40°C	28.5	J	ASTM D3763
23°C	17.6	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	48.0	°C	ASTM D1525
Legal statement			

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