

# CarmelClear™ MT 74 A

Polyolefin  
Carmel Olefins Ltd.

Message:

CARMELCLEAR™ MT 74 A is a modified polyolefin, specially designed for the injection moulding of high impact transparent articles. This grade offers:

- Excellent impact resistance at low and ambient temperature
- Very good transparency, low stress-whitening
- Contains antistatic additives

APPLICATIONS

This grade has been designed for injection molding of:

- Clear ice cream boxes
- Flexible lids for tight closure properties
- See-through delicate tool packaging
- Clear freezer to microwave food boxes
- As impact modifier to be blended with polypropylene random copolymer grades

General Information			
Additive	Antistatic		
Features	Antistatic		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Stress Whitening Resistant		
Uses	Containers		
	Packaging		
	Plastics Modification		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2004/19/EC		
	FDA 21 CFR 177.1520		
	ISO 14001		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C, Injection Molded)	700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	80	J/m	

23°C, Injection Molded	500	J/m	
Optical	Nominal Value	Unit	Test Method
Haze (1600 μm)	32	%	ASTM D1003

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#### Recommended distributors for this material

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