

TARFLON™ MD1500

Polycarbonate

Formosa Idemitsu Petrochemical Corporation

Message:

TARFLON™ MD1500 is a Polycarbonate (PC) product. It is available in Asia Pacific. Typical application: Packaging.

Characteristics include:

Fast Molding Cycle

Good Aesthetics

High Purity

General Information			
Features	Clean/High Purity		
	Fast Molding Cycle		
	Good Flow		
	Opticals		
Uses	Media Packaging		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	67	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Saturation, 23°C)	0.23	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	50		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	60.0	MPa	
Break	58.0	MPa	
Tensile Strain (Break)	90	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength (23°C)	54	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+17	ohms · cm	IEC 60093
Electric Strength (1.60 mm)	30	kV/mm	IEC 60243-1

Dielectric Constant			IEC 60250
100 Hz	2.91		
1 MHz	2.85		
Dissipation Factor			IEC 60250
100 Hz	6.6E-4		
1 MHz	9.2E-3		
Arc Resistance	110	sec	ASTM D495
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.585		ASTM D542
Transmittance	89.0	%	ASTM D1003

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