

VECTRA® T.rex541

Liquid Crystal Polymer

Celanese Corporation

Message:

Extrusion/Thermoforming
Chemical abbreviation according to ISO 1043-1 : LCP
Inherently flame retardant

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Extrusion		
	Thermoforming		
Resin ID (ISO 1043)	LCP		
Physical	Nominal Value	Unit	Test Method
Density	1.74	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10700	MPa	ISO 527-2/1A/1
Tensile Stress			
Break	3.00	MPa	ISO 527-2/1A/5
Break	110	MPa	ISO 527-2/1A/50
Flexural Modulus (23°C)	11700	MPa	ISO 178
Flexural Stress (23°C)	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Melting Temperature ¹	357	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.010	%	
NOTE			

1. 10°C/min

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