



CoolPoly® E1201

Celanese Corporation - Polypropylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East	• Europe	• Latin America
RoHS Compliance	• RoHS Compliant		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	371000	psi	ISO 527-2/1A
Tensile Stress (Break)	2250	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.7	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	537000	psi	ISO 178
Flexural Stress (73°F)	4210	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (73°F)	3.6	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity			ASTM E1461
-- ²	14	Btu·in/hr/ft ² /°F	
-- ³	56	Btu·in/hr/ft ² /°F	
-- ⁴	87	Btu·in/hr/ft ² /°F	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Thruplane

³ Crossflow

⁴ Flow