

Analene® Q-571

Polypropylene Random Copolymer

QTM Inc.

PROSPECTOR®

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Technical Data

Product Description

QTM Analene® Q-571 is a Polypropylene Random Copolymer. High fluidity, High Clarity, Anti-static, Good resistance to chemical. This product meets US FDA 21 CFR 177.1520(c) 3.1a. Bio-compatible ISO 10993-5 grade for medical devices and pharmaceutical applications.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Additive	• Antistatic		
Features	• Antistatic • Biocompatible	• Chemical Resistant • High Clarity	• High Flow • Random Copolymer
Uses	• Medical Devices	• Pharmaceuticals	
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.1a • ISO 10993-5		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity		
--	0.898 g/cm ³	ASTM D792
23°C	0.898 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 g/10 min	ASTM D1238 ISO 1133
Molding Shrinkage		
Flow : 23°C	1.5 to 2.0 %	ASTM D955
23°C	1.5 to 2.0 %	ISO 2577
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield, 23°C)	30.0 MPa	ASTM D638 ISO 527-2
Tensile Elongation (Break, 23°C)	> 200 %	ASTM D638 ISO 527-2
Flexural Modulus		
23°C	1120 MPa	ASTM D790A
23°C	1130 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Unnotched Izod Impact (23°C)	49 J/m	ASTM D4812
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	95	ASTM D785 ISO 2039-2
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	95.0 °C	ASTM D648 ISO 75-2/B

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

