

Technical Data

Product Description

Chemical Resistance

Application

Copier, Watch, Clock, VCR, Printer Parts, etc.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
UL Yellow Card ²	• E67171-248302 • E67171-248303		
Search for UL Yellow Card	• LG Chem Ltd. • Lucel®		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant		
Uses	• Business Equipment	• Electrical/Electronic Applications	• Printer Parts
Automotive Specifications	• CHRYSLER MS-DB-100 CPN4540 Color: Non-matched Color • GM EDS-M-6201-11 • GM GMP.POM.005 • GM GM/W22P-POM-C2 • IMDS ID 5584859		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.41	1.41 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0 g/10 min	9.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 In (3.20 mm))	0.018 to 0.021 in/in	1.8 to 2.1 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ⁴ (Yield, 0.126 In (3.20 mm))	8820 psi	60.8 MPa	ASTM D638
Tensile Elongation ⁴			ASTM D638
Break, 0.126 In (3.20 mm)	65 %	65 %	
Flexural Modulus ⁵ (0.252 In (6.40 mm))	370000 psi	2550 MPa	ASTM D790
Flexural Strength ⁵ (0.126 In (3.20 mm))	12900 psi	89.2 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.252 In (6.40 mm)	1.3 ft-lb/in	69 J/m	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	82	82	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.252 In (6.40 mm)	320 °F	160 °C	
264 psi (1.8 MPa), Unannealed, 0.252 In (6.40 mm)	230 °F	110 °C	
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	1.0E+16 ohms	1.0E+16 ohms	ASTM D257
Volume Resistivity (73°F (23°C))	1.0E+14 ohms-cm	1.0E+14 ohms-cm	ASTM D257
Dielectric Strength			ASTM D149
73°F (23°C), 0.0394 In (1.00 mm)	610 V/mil	24 kV/mm	
Dissipation Factor (1 MHz)	3.8E-4	3.8E-4	ASTM D150



Where to Buy

Supplier

LG Chem Ltd.
Englewood Cliffs, NJ USA
Telephone: 201-816-2302
Web: <http://www.chemwide.com/>

Distributor

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

Telephone: +49-40-78105-0
Web: <http://www.albis.com/>
Availability: Turkey

Resin Resource, Inc.

Telephone: 877-652-3431
Web: <http://www.resinresourceinc.com/>
Availability: North America

Southland Polymers

Southland Polymers - Full Service Engineering and Commodity Resin Distribution Since 1979

Telephone: 562-921-0444
Web: <http://www.southlandpolymers.com/>
Availability: Central America, North America, South America

