

# Ultrason® P 3010

Polyphenylsulfone  
BASF Corporation

PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

Ultrason P 3010 is an unreinforced, flame retardant, higher viscosity injection molding PPSU grade, with improved chemical resistance.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Processing - Injection Molding Guide (English)</a> • <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">BASF Corporation</a> • <a href="#">Ultrason® P</a>
Availability	• North America
Features	• Chemical Resistant • Flame Retardant • High Viscosity
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.29 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (360°C/10.0 kg)	35 cm³/10min	ISO 1133
Molding Shrinkage		ISO 294-4
Across Flow	1.0 %	
Flow	0.90 %	
Water Absorption		ISO 62
Saturation, 23°C	1.2 %	
Equilibrium, 23°C, 50% RH	0.60 %	
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus (23°C)	2270 MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	74.0 MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	7.8 %	ISO 527-2
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-30°C	25 kJ/m²	
23°C	75 kJ/m²	
Charpy Unnotched Impact Strength		ISO 179
-30°C	No Break	
23°C	No Break	
Notched Izod Impact Strength		ISO 180
-30°C	25 kJ/m²	
23°C	55 kJ/m²	
Hardness	Nominal Value Unit	Test Method
Ball Indentation Hardness	124 MPa	ISO 2039-1
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		ISO 75-2/A
1.8 MPa, Unannealed	198 °C	
CLTE - Flow	5.5E-5 cm/cm/°C	



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Electrical	Nominal Value Unit	Test Method
Surface Resistivity	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+15 ohms·cm	IEC 60093
Electric Strength	44 kV/mm	IEC 60243-1
Dielectric Constant		IEC 60250
100 Hz	3.80	
1 MHz	3.70	
Dissipation Factor		IEC 60250
100 Hz	1.7E-3	
1 MHz	8.9E-3	
Comparative Tracking Index	150 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.6 mm	V-0	
3.0 mm	V-0	

**Notes**

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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### Where to Buy

#### Supplier

##### **BASF Corporation**

Wyandotte, MI USA

Telephone: 800-545-8359

Web: <https://www.basf.com/us/en.html>

#### Distributor

##### **Amco Polymers**

Telephone: 800-262-6685

Web: <http://www.amcopolymers.com/>

Availability: North America

##### **Entec Polymers**

Telephone: 800-375-5440

Web: <http://www.entecpolymers.com/>

Availability: North America

##### **M. Holland Canada Company**

Telephone: 905-665-1168

Web: <http://www.mholland.com/>

Availability: Canada

##### **M. Holland Company**

Telephone: 855-497-1403

Web: <http://www.mholland.com/>

Availability: Mexico, United States

##### **Nexeo Plastics**

Telephone: 833-446-3936

Web: <https://www.nexeoplastics.com/>

Availability: North America

##### **PolyOne Distribution**

*PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.*

Telephone: 440-930-3004

Web: <http://polyonedistribution.com/>

Availability: Global

