

## Technical Data

## Product Description

SABIC® PP QR678K is a very high melt flow index random copolymer with high transparency and good antistatic properties. This grade combines improved aesthetics of the finished articles with low temperature processability. Part aesthetics are not affected by the lower processing temperatures, providing for a broader operating window. The SABIC® PP QR678K presents very high melt flow rate, easy demoulding and good stiffness to impact ratio.

Application: SABIC® PP QR678K is mainly used in injection moulding processes. The SABIC® PP QR678K is typically used at transparent applications where higher MFI's with good flow are required. Its intended applications include injection moulded housewares, office & home storage boxes, thin wall packaging and media packaging.

Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>. The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

IMDS 80775790

## General

Material Status	• Commercial: Active		
Search for UL Yellow Card	<ul style="list-style-type: none"> <li>• SABIC</li> <li>• SABIC® PP</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>• Africa &amp; Middle East</li> <li>• Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>• Europe</li> <li>• Latin America</li> </ul>	<ul style="list-style-type: none"> <li>• North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>• Antistatic</li> <li>• Clarifier</li> </ul>		
Features	• Antistatic		

Physical	Nominal Value Unit	Test Method
Density	0.905 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	80 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1100 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	28.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	13 %	ISO 527-2/1A
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
0°C	1.5 kJ/m <sup>2</sup>	
23°C	4.0 kJ/m <sup>2</sup>	
Notched Izod Impact Strength		ISO 180/1A
0°C	1.5 kJ/m <sup>2</sup>	
23°C	3.5 kJ/m <sup>2</sup>	
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	64	ISO 868
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load <sup>2</sup>		
0.45 MPa, Unannealed, 4.00 mm	75.0 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 4.00 mm	52.0 °C	ISO 75-2/ Af
Vicat Softening Temperature		
--	70.0 °C	ISO 306/B120
--	125 °C	ISO 306/A120



#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 80\*10\*4mm



## Where to Buy

### Supplier

#### **SABIC**

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

### Distributor

#### **AECTRA**

Telephone: +33-4-72-54-36-42

Web: <https://www.aectra.fr/>

Availability: France

#### **AGI-Augusto Guimarães & Irmão**

Telephone: +351-22753-7400

Web: <https://www.agi.pt/en/>

Availability: Portugal

#### **Conventus Polymers**

Telephone: 973-343-7669

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

Availability: North America

#### **Distrupol Ltd**

*Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.*

Telephone: 08452003040

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

Availability: Denmark, Finland, Norway, Sweden

#### **Guzmán Polymers**

Telephone: +34-963-992-400

Web: <https://www.guzmanglobal.com/en/productos/plastics/>

Availability: Italy, Spain, Turkey

#### **Plastoplan**

Telephone: +43-1-25040-0

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

Availability: Czech Republic, Poland, Slovakia

#### **POLYMIX**

*POLYMIX is a Pan European distribution company. Contact POLYMIX for availability of individual products by country.*

Telephone: +33-3-8920-1380

Web: <http://www.polymix.eu/>

Availability: France

#### **RESINEX Group**

*RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.*

Telephone: +32-14-672511

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

Availability: Europe

#### **SOTAC Tecnopolimeri**

Telephone: +39-071-781182

Web: <https://www.sotac.it/>

Availability: Italy