

## SABIC® PP QRYSTAL QR672K FOR CAPS & CLOSURES WITH IMPROVED IMPACT AND HINGE PERFORMANCE

SABIC® PP QRYSTAL QR672K is the newest random copolymer material, created by using SABIC’s technology expertise and the best of manufacturing processes, for transparent injection molded applications that provide improved mechanical performance without compromising on transparency and gloss. SABIC offers a one-stop-shop of innovative polymer materials typically used for caps, closures and product delivery mechanisms typically used for still water, carbonated soft drinks, other beverages, dairy, personal care, homecare and other food and non-food products.

### ENHANCED MECHANICAL PERFORMANCE

SABIC® PP QR672K is typically used for demanding applications such as hinged caps or transparent over-caps that might be subject to both low and elevated temperatures during use by consumers or handling before use (e-commerce).

### VERY HIGH CLARITY & HIGH GLOSS

SABIC® PP QR672K has very high clarity and high glossiness. These properties offer potential for using particularly in the production of transparent caps & closures.

### POTENTIAL BENEFITS



#### EXCELLENT MECHANICAL PERFORMANCE

OPTIMUM IMPACT RESISTANCE AND HINGE PERFORMANCE WITHOUT COMPROMISE ON TRANSPARENCY & CLARITY



#### PART & PROCESS OPTIMIZATION

REDUCED FLASH & WIDE PROCESSING WINDOW FOR DIFFERENT TOOLS AND MOLDING MACHINES



#### TRUCIRCLE™ PORTFOLIO

AVAILABLE AS CERTIFIED CIRCULAR AND CERTIFIED RENEWABLE PP



#### TRANSPARENCY

GLASS LIKE TRANSPARENCY AND HIGH GLOSS



# SABIC® PP QRYSTAL QR672K RANDOM COPOLYMER

## ONE-STOP SHOP & GLOBAL SUPPLY

By the addition of the new QR672K grade, SABIC® PP QRYSTAL random copolymer product portfolio now spans from 10 MFI to 80 MFI produced in various regions and available for purchase in EU, MEA, PAC and AMR.

## DESIGN FOR RECYCLING



**REDUCE**

Significant reduction potential of packaging material through lighter packaging

**RECYCLE**

Recyclable via mechanical and chemical recycling processes



## SABIC® PP QRYSTAL QR672K PROPERTIES<sup>(1)</sup>:

PARAMETERS	UNIT	TEST METHOD	VALUE
Melt Flow Rate	dg/min	ISO 1133	11
Tensile Modulus	MPa	ISO 527-2	1,050
Charpy notched 23°C	kJ/m <sup>2</sup>	ISO 179/1eA	6.5
Charpy notched 0°C	kJ/m <sup>2</sup>	ISO 179/1eA	2.0

(1) Typical values; not to be construed as specification limits.

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