

SABIC[®] PP QRYSTAL QR6771K FOR VERY HIGH CLARITY THIN WALL PACKAGING

SABIC® PP QRYSTAL QR6771K is the latest random copolymer material development from SABIC dedicated for injection molding of high clarity thin wall packaging applications. This product combines high transparency and high gloss with strength and stiffness. This new solution aimed to offer down gauging and very fast production for food and non-food thin wall packaging applications.

VERY GOOD ORGANOLEPTIC PERFORMANCE

SABIC® PP QR6771K is formulated for food contact application and it complies with the stringent food contact regulatory requirements. The formulation is designed to have good organoleptic performance that minimize potential taste and smell transfer to the food contents.

VERY HIGH CLARITY AND **HIGH GLOSS**

SABIC® PP QR6771K has very high clarity and high glossiness. These properties make it particularly suitable for the production of transparent thin wall packaging, caps & closures, housewares and appliances.

POTENTIAL BENEFITS



PHTHALATE FREE FOR CONSUMER SAFETY



POTENTIAL SHORTER CYCLE TIMES LEADING TO LOWER ENERGY & PROCESSING COST



ISOTROPIC SHRINKAGE

GOOD DIMENSIONAL STABILITY, LOW WARPAGE, LOW PRODUCTION REJECT RATE



HIGH FLOW FOR THINNER WALLS POTENTIAL FOR LIGHTER PACKAGING AND USING LESS PACKAGING MATERIAL



VERY HIGH CLARITY & AESTHETICS VERY GOOD SHELF APPERANCES

ORGANOLEPTIC PERFORMANCE PURITY OF TASTE & SMELL OF THE FOOD CONTENT



SABIC® PP QRYSTAL QR6771K RANDOM COPOLYMER

DESIGN FOR RECYCLING

REDUCE

Reduce energy consumption during production via lower processing temperature Recyclable via mechanical and chemical recycling processes



SABIC® PP QRYSTAL QR6771K PROPERTIES⁽¹⁾:

PARAMETERS	UNIT	TEST METHOD	VALUE
Melt flow rate @ 230°C	g/10min	ASTM D1238	70
Notched Izod impact strength @ 23°C	J/m	ASTM D256	34
Flexural modulus (1% secant)	MPa	ASTM D790A	1100
Haze (1 mm plaque)	%	ASTM D1003	11.5
Heat distortion temperature @ 455kPa	°C	ASTM D648	85
Vicat softening point	°C	ASTM D1525	130

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

CONTACT DETAILS

SABIC GLOBAL HEADQUARTERS

PO Box 5101 Riyadh 11422 Saudi Arabia T +966 (011) 225 8000 F +966 (011) 225 9000 E info@sabic.com

EUROPE HEADOFFICE

PO Box 5151 6130 PD Sittard The Netherlands T +31 (46) 722 2222 F +31 (46) 722 0000 E info@sabic.com

ASIA PACIFIC HEADOFFICE

One Temasek Avenue #06-01 Millennia Tower Singapore 039192 T +65 6557 2555 F +65 6531 8101 E info@sabic.com

SABIC (Shanghai) Trading Co. Ltd. 2550, Xiupu RoadPudong Shanghai 201319 China T +86 21 2037 8188 F +86 21 2037 8288

AMERICAS HEAD OFFICE

Suite 100 2500 City West Boulevard Houston, TX 77042 USA T +1 713 532 4999 F +1 713 532 4994 E E info@sabicamericas.com

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