



烟台龙义兴高分子材料有限公司
Longyixing Chemicals Co., Ltd

✉ www.ilongchem.com

🌐 sales@ytlyx.com

PP QR6701K

POLYPROPYLENE RANDOM COPOLYMER

DESCRIPTION

PP QR6701K is specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures. This grade contains advanced clarifier and anti-static agent.

PP QR6701K has the following features: Consistent processability; Good stiffness; Excellent clarity; Lower energy consumption and less cycle time due to low processing temperatures.

TYPICAL APPLICATIONS

PP QR6701K can be used for clear housewares & packaging items, appliances, caps & closures, lids and bottles (ISBM).

TYPICAL PROPERTY VALUES

Revision 20211203

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 230°C and 2.16kg	10	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Properties			
Strength @ Yield	28	MPa	ASTM D638
Elongation @ Yield	12	%	ASTM D638
Flexural Modulus (1% Secant) ⁽²⁾	1050	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	85	J/m	ASTM D256
Rockwell Hardness, R-Scale	94	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	128	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	83	°C	ASTM D648

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for QR6701K are:

Barrel temperature range: 190 – 220 °C.

Mold Shrinkage: 1.2 - 2.0 % depending on wall thickness and processing conditions.

Mold Temperature: Normally 15 - 40°C, up to 65°C for thick parts.