

## Technical Data Sheet

### *Moplen* RP5007K

Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP5007K is a nucleated and very high fluidity polypropylene random copolymer with very high fluidity, excellent clarity in low processing temperature for high productivity, less voids formation in injection molding, and good mechanical property balance. Typical customer applications are DVS casing, houseware, thin wall injection molding (TWIM) articles, transparent containers and boxes for food and non food.

<b>Application</b>	Clear Containers; Housewares; Multi Media Packaging
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Chemical Resistance; Good Dimensional Stability; Good Impact Resistance; Good Processability; High Clarity; High Flow; Medium Rigidity; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	75	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	45	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	93		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load	90	°C	ASTM D648