

## Technical Data Sheet

### *Moplen* RP344RK



Polypropylene, Random Copolymer

#### Product Description

RP344RK is a nucleated polypropylene random copolymer with good processability and excellent clarity in low processing temperature with balanced mechanical properties. Typical customer applications are transparent containers, housewares, food containers, TWIM containers, stationeries, caps and lids.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Caps & Closures; Clear Containers; Housewares
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Flow; High Clarity; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	90		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load	95	°C	ASTM D648