

## Technical Data Sheet

### *Moplen* RP344NK



Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP344NK is a nucleated polypropylene random copolymer with good processability, excellent clarity in low processing temperature, high productivity, reduced voids formation and good mechanical property balance. Typical customer applications are transparent containers for food and non food, houseware, bottles (IBM/ISBM), caps and lids.

<b>Application</b>	Bottles For Consumer Goods; Caps & Closures; Clear Containers; Containers; Housewares
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding
<b>Attribute</b>	Good Impact Resistance; Good Processability; Good Stiffness; High Clarity; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	13	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	13	%	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	90	°C	ASTM D648