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 tempature 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.

Regulatory Status

For regulatory compliance information, see *Moplen* RP5007K Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific
Application	Clear Containers; Housewares; Multi Media Packaging
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	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
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	75	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	45	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	93		ASTM D785
Thermal			
Deflection Temperature Under Load	90	°C	ASTM D648

Notes

These are typical property values not to be construed as specification limits.