Technical Data Sheet

Moplen HP640RK

Polypropylene, Homopolymer

Product Description

Moplen HP640RK is a polypropylene homopolymer with good transparency, high gloss and excellent stiffness. Typical customer applications are TWIM, houseware, food containers.

Regulatory Status

For regulatory compliance information, see *Moplen* HP640RK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Clear Containers; Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Fast Cycle (Production); Good Flow; Good Processability; High Gloss; High Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1900	MPa	ASTM D790
Tensile Strength at Yield	38	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	25	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	110		ASTM D785
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	122	°C	ASTM D648

Notes

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

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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