Technical Data Sheet

Moplen EP548S

Polypropylene, Impact Copolymer

Product Description

Moplen EP548S is a nucleated heterophasic copolymer with antistatic agent used injection moulding applications.
It combines a good impact/stiffness balance with a high fluidity.
Moplen EP548S is typically used by customers in opaque containers, housewares, toys and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

Regulatory Status

For regulatory compliance information, see *Moplen* EP548S Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Housewares; Opaque Containers; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; High Flow; Impact Copolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	44	g/10 min	ASTM D1238
Density	0.9	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	4	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	46	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	116	°C	ASTM D648

Manufacturer website: https://www.hmcpolymers.com/

Notes

ASTM properties above are typical values of LYB products from Asia.

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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