

Technical Data Sheet

Moplen EP448S



Polypropylene, Impact Copolymer

Product Description

Moplen EP448S is a nucleated heterophasic copolymer with antistatic agent used injection moulding applications.

Moplen EP448S offers a good impact/stiffness balance with a medium fluidity combines with good organoleptic performance.

Moplen EP448S is typically used by customers in opaque containers, housewares, toys, furniture, pails and crates.

Regulatory Status

For regulatory compliance information, see *Moplen EP448S* [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical and pharmaceutical applications.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	44	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Break	50	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	150	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2

Notes

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