Technical Data Sheet

Moplen EP648V

Polypropylene, Impact Copolymer

Product Description

Moplen EP648V is a nucleated, high fluidity heterophasic copolymer with antistatic agent used in thin-walled injection moulding applications.
Moplen EP648V exhibits high stiffness, good dimensional stability and excellent antistatic properties.
Moplen EP648V is typically used by customers in very thin-walled articles as margarine tubs, packaging of dairy products as well as items with a long flow path such as laundry bins and storage systems.

This grade is not intended for medical and pharmaceutical applications.

Application	Housewares; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; Good Organoleptic Properties; Good Processability; High Flow; High Stiffness; Impact Copolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	100	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1600	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Break	10	%	ISO 527-1, -2
Tensile Strain at Yield	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	1.5	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2