



Moplen EP548R

Polypropylene, Impact Copolymer

Product Description

Moplen EP548R is a nucleated heterophasic copolymer with antistatic agent used for injection moulding applications.

It exhibits a excellent stiffness / impact balance combined with a medium fluidity.

Moplen EP548R is applied in toys, furniture and thin-walled injection moulding items.

Moplen EP548R is suitable for food contact.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, Medium Flow, Good Impact Resistance , Nucleated, Good Stiffness
Typical Customer Applications	Furniture, Housewares, Opaque Containers, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	21	g/10 min
Melt volume flow rate (230°C/2.16kg)	ISO 1133	28	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1550	MPa
Tensile Stress at Yield	ISO 527-1, -2	27	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	5	%
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		No Break	kJ/m ²
(0 °C, Type 1, Edgewise)		125	kJ/m ²
(-20 °C, Type 1, Edgewise)		100	kJ/m ²
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6.0	kJ/m ²
(0 °C, Type 1, Edgewise, Notch A)		4.5	kJ/m ²
(-20 °C, Type 1, Edgewise, Notch A)		4.0	kJ/m ²
Ductile/Brittle transition temperature	ISO 6603-2	-60	°C

Notes

Typical properties; not to be construed as specifications.