Technical Data Sheet

Moplen EP490H

Polypropylene, Impact Copolymer

Product Description

Moplen EP490H is an heterophasic copolymer especially developed for foam applications.
Moplen EP490H exhibits good stiffness, high impact properties at room and sub-zero temperatures, good dimensional stability, outstanding creep and medium deforming resistance. The main applications of *Moplen* EP490H are extruded foamed sheets, thermoforming and extrusion blow moulding.

This grade is not intended for medical and pharmaceutical applications.

Application	Corrugated Sheet; Crates; Panels & Profiles
Market	Consumer Products; Rigid Packaging
Processing Method	Extruded Foam; Sheet and Profile Extrusion; Thermoforming
Attribute	BMMF free; High Impact Resistance; Impact Copolymer; Low Temperature Impact Resistance; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8-1.2	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	>50	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	11	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	6	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m²	ISO 179