

Technical Data Sheet

Moplen COAT EP/60 BIANCO



Polypropylene Compounds

Product Description

Moplen Coat EP/60 BIANCO is a UV and thermal stabilized polypropylene copolymer, designed for extrusion. It is developed for continuous service at high temperature (to be designed case by case, but typically in the -20°C/+120°C temperature range for on-shore projects and up to +145°C for off-shore projects).

This product offers good resistance to impact, indentation, environmental stress cracking, chemicals, fungi and bacteria, as well as good stiffness and low water absorption.

This grade is available in white, in pellet form.

This grade is not intended for medical and pharmaceutical applications.

Application	Pipe Coating
Market	Pipe
Processing Method	Extrusion Coating
Attribute	Bacteria Resistant; Copolymer; Fungus Resistant; Good Chemical Resistance; Good Impact Resistance; Good Stiffness; High ESCR (Environmental Stress Cracking Resistance); Low to No Water Absorption

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Stress at Yield	22.0	MPa	ISO 527-1, -2
Tensile Strain at Break	>= 400	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	40	kJ/m ²	ISO 179-1/1eA
(-20 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	145	°C	ISO 306
Melting Temperature	160	°C	ISO 11357-3