

Moplen COAT EP/60 BIANCO

Polypropylene Copolymer

LyondellBasell Industries

Message:

"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 offshore 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.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Bacteria Resistant		
	Copolymer		
	Fungus Resistant		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Good UV Resistance		
	Heat Stabilized		
	High ESCR (Stress Crack Resist.)		
	Low to No Water Absorption		
Uses	Pipe Coatings		
Agency Ratings	ISO 21809-1		
Appearance	White		
Forms	Pellets		
Processing Method	Extrusion		
	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F0)	> 2000	hr	ASTM D1693
Water Content	< 0.050	%	
Oxidation Induction Time (220°C)	> 40	min	ASTM D3895
Hardness	Nominal Value	Unit	Test Method

Shore Hardness	> 60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Break)	> 400	%	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	5.0	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	145	°C	ISO 306/A50
Melting Temperature	240 to 250	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	240 to 260	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

