

Lupolen 4261 AG UV

High Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 4261 AG UV is a high density polyethylene with outstanding ESCR, high impact resistance and good chemical resistance, delivered in pellet form. Main applications* are jerry cans, heating oil tanks and IBC. *Appropriateness of resin for use in specific applications, under outdoor or indoor storage conditions or for specific container contents should be carried out by the appropriate parties (converter, end user) on the molded item with reference to appropriate local, national and international guidelines.

General Information			
Additive	Antioxidant		
	UV Stabilizer		
Features	Antioxidant		
	Good Chemical Resistance		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Medium Heat Resistance		
Uses	Blow Molding Applications		
	Industrial Applications		
	Jerricans		
	Tanks		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	6.0	g/10 min	
190°C/5.0 kg	0.35	g/10 min	
Basell Bottle Test	5.5	month	
Staudinger Index - Jg	370	cm ³ /g	ISO 1628
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	40.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	850	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (-30°C)	170	kJ/m ²	ISO 8256/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	70.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	42.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	125	°C	ISO 306/A50
--	75.0	°C	ISO 306/B50
Melting Temperature (DSC)	130	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Electric Strength ¹	> 150	kV/mm	IEC 60243-1
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	180 to 220	°C	
NOTE			
1.	K20/P50		

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