

Lupolen 4261 AG Q 469

High Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 4261 AG Q469 is a high density polyethylene with outstanding ESCR, high impact resistance and good chemical resistance. It is delivered in pellet form and contains antioxidants. Typical customer applications include jerry cans and IBCs for the packaging of dangerous goods. Lupolen 4261 AG Q469 is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Chemical Resistance		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Industrial Containers		
	Jerricans		
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	
FNCT - 3.5 MPa ⁻¹ (80°C)	2.5	day	ISO 16770
Staudinger Index	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
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			
1.	2% Igepal BC/9		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT