

Purell ACP 5531 B

High Density Polyethylene

LyondellBasell Industries

Message:

Purell ACP 5531 B is a high density polyethylene with an excellent combination of stiffness and ESCR and a good impact resistance. It is delivered in pellet form and contains antioxidants. Typical customer applications include jerry cans for the pharmaceutical/medical segment, for packagings of dangerous goods and light weight jerry cans.

Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
Uses	Blow Molding Applications		
	Jerricans		
	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	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	9.5	g/10 min	
190°C/5.0 kg	0.45	g/10 min	
FNCT ¹ (80°C)	1.7	day	ISO 16770
Staudinger Index	300	cm ³ /g	ISO 1628-3
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Ball Indentation Hardness (H 132/30)	51.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (-30°C)	90.0	kJ/m ²	ISO 8256/1A
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	80.0	°C	ISO 306/B50
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	
NOTE			
1.	3.5 MPa, 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