

Histif 5431 Z

High Density Polyethylene
LyondellBasell Industries

Message:

Histif 5431 Z is a high density polyethylene with an excellent combination of stiffness and ESCR and a high impact resistance. It is delivered in pellet form and contains antioxidants. Typical customer applications include L-ring drums for the packaging of dangerous goods. Histif 5431 Z is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Rigidity		
Uses	Blow Molding Applications		
	Drums		
Forms	Pellets		
Processing Method	Extrusion 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) (190°C/21.6 kg)	2.6	g/10 min	ISO 1133
Viscosity Number (Reduced Viscosity)	500.0	ml/g	ISO 1628
FNCT ¹ (80°C)	14.0	hr	ISO 16770
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	80	kJ/m ²	ISO 179/1A
Tensile Impact Strength ² (-30°C)	290	kJ/m ²	ISO 8256/1A
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			
1.	3.5 MPa, 2% Igepal BC/9		
2.	Notched		

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

