Adsyl 7623 XCP

Polyolefin

LyondellBasell Industries

Message:

Adsyl 7623 XCP is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications. This grade features a very low seal initiation temperature.

It contains anti-block additives.

For regulatory information please refer to Adsyl 7623 XCP Product Stewardship Bulletin (PSB).

General Information			
Additive	Anti-caking agent		
Features	Low temperature heat sealability		
	Electroplating		
	Anti-caking property		
Uses	Bi-axially Oriented Film		
	Films		
	Laminate		
	cast film		
	Food packaging		
	Shrinkable film		
Processing Method	Co-extrusion molding		
	cast film		
Physical	Nominal Value	Unit	Test Method
Physical Density	Nominal Value 0.900	Unit g/cm ³	Test Method ISO 1183/A
Density Melt Mass-Flow Rate (MFR) (230°C/2.16	0.900	g/cm³	ISO 1183/A
Density	0.900	g/cm³ g/10 min	ISO 1183/A ISO 1133
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films	0.900	g/cm³	ISO 1183/A
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.900	g/cm³ g/10 min	ISO 1183/A ISO 1133
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films	0.900 5.5 Nominal Value	g/cm³ g/10 min Unit	ISO 1183/A ISO 1133
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested	0.900 5.5 Nominal Value	g/cm³ g/10 min Unit	ISO 1183/A ISO 1133 Test Method
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus	0.900 5.5 Nominal Value 50	g/cm ³ g/10 min Unit µm	ISO 1183/A ISO 1133 Test Method ISO 527-3/25
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 µm, cast film	0.900 5.5 Nominal Value 50 280	g/cm ³ g/10 min Unit µm MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 µm, cast film TD: 50 µm, cast film	0.900 5.5 Nominal Value 50 280	g/cm ³ g/10 min Unit µm MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25 ISO 527-3/25
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 µm, cast film TD: 50 µm, cast film Tensile Stress	0.900 5.5 Nominal Value 50 280 280	g/cm ³ g/10 min Unit µm MPa MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25 ISO 527-3/25 ISO 527-3/25
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 μm, cast film TD: 50 μm, cast film Tensile Stress MD: yield, 50 μm, cast film	0.900 5.5 Nominal Value 50 280 280 280	g/cm ³ g/10 min Unit µm MPa MPa MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25 ISO 527-3/25 ISO 527-3/500 ISO 527-3/500
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 µm, cast film TD: 50 µm, cast film Tensile Stress MD: yield, 50 µm, cast film TD: yield, 50 µm, cast film	0.900 5.5 Nominal Value 50 280 280 280 14.0	g/cm ³ g/10 min Unit µm MPa MPa MPa MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25 ISO 527-3/25 ISO 527-3/500 ISO 527-3/500
Density Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) Films Film Thickness - Tested Tensile Modulus MD: 50 μm, cast film TD: 50 μm, cast film TD: 50 μm, cast film Tensile Stress MD: yield, 50 μm, cast film TD: yield, 50 μm, cast film	0.900 5.5 Nominal Value 50 280 280 280 14.0 14.0 14.0	g/cm ³ g/10 min Unit µm MPa MPa MPa MPa MPa MPa	ISO 1183/A ISO 1133 Test Method ISO 527-3/25 ISO 527-3/25 ISO 527-3/25 ISO 527-3/500 ISO 527-3/500 ISO 527-3/500
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TD: yield, 50 µm, cast film	15	%	ISO 527-3/500
MD: fracture, 50 µm, casting film	900	%	ISO 527-3/500
TD: fracture, 50 μ m, casting film	800	%	ISO 527-3/500
Seal Initiation Temperature	105	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa,			
Unannealed)	62.0	°C	ISO 75-2/B
Vicat Softening Temperature	107	°C	ISO 306/A50
Melting Temperature	132	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	87		ASTM D2457

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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

