

# Adflex Z 108 S

Polyolefin  
LyondellBasell Industries

Message:

Adflex Z 108 S is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. Adflex Z 108 S features a very high softness, a very low flexural modulus and a high melt flow rate. It is used for injection molding, impact modification, extrusion coating, soft compounding, film and fiber applications. It is also ideal for the modification of polypropylene homopolymer and random copolymer without altering the transparency. The grade is available in natural pellet form. For regulatory compliance information see Adflex Z 108 S Product Stewardship Bulletin (PSB).

General Information	
Features	High Elongation
	High Flow
	Low Temperature Impact Resistance
	Soft
Uses	Cast Film
	Compounding
	Fibers
	Film
	Plastics Modification
	Sanitary Products
Appearance	Natural Color
Forms	Pellets
Processing Method	Compounding
	Extrusion Coating
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 15 sec	85		
Shore D, 15 sec	30		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	5.00	MPa	
Break	6.00	MPa	
Tensile Strain			ISO 527-2

Yield	20	%	
Break	> 800	%	
Flexural Modulus	80.0	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>1</sup>	62.0	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°C	2.0	kJ/m <sup>2</sup>	
23°C	No Break		
Instrumented Dart Impact <sup>2</sup>			ASTM D3763
-40°C, 3.20 mm, Energy at Peak Load, Ductile Failure	18.0	J	
23°C, 3.20 mm, Energy at Peak Load, Ductile Failure	10.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	37.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-55.0	°C	ISO 6603-2
Vicat Softening Temperature	53.0	°C	ISO 306/A50
Melting Temperature	142	°C	ISO 11357-3
Optical	Nominal Value		Test Method
Gloss (60°, 3200 µm, Injection Molded)	66		ASTM D2457
NOTE			
1.	Die C, 50 mm/min		
2.	2.20 m/sec		

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