

Adflex Z108SE

Polyolefin

LyondellBasell Industries

Message:

Adflex Z 108 SE is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology. Adflex Z 108 SE 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 SE Product Stewardship Bulletin (PSB).

General Information

Features	High Elongation High Flow Low Temperature Impact Resistance Soft
Uses	Coating Applications Compounding Fibers Film Plastics Modification Spunbond Nonwovens Yarn
Appearance	Natural Color
Forms	Pellets
Processing Method	Compounding Continuous Filament/Spinning Extrusion Coating Injection Molding

Physical	Nominal Value	Unit	Test Method
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Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ISO 1133
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness			
Shore D	36		ASTM D2240
Shore D, 15 sec	36		ISO 868

Mechanical	Nominal Value	Unit	Test Method
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Tensile Stress			ISO 527-2
Yield	7.80	MPa	
Break	15.8	MPa	

Tensile Strain			ISO 527-2
Yield	28	%	
Break	1100	%	
Flexural Modulus	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	2.0	kJ/m ²	
-20°C	13	kJ/m ²	
23°C	59	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	42.8	°C	ISO 75-2/B
Vicat Softening Temperature	72.8	°C	ISO 306/A50

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