

# Adflex KS084P

Polyolefin  
LyondellBasell Industries

Message:

Adflex KS084P is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell's proprietary Catalloy process technology. Adflex KS084P features a high melt flow and a low modulus. It is designed for many commercial and industrial extrusion applications. For regulatory compliance information, see the Adflex KS084P Product Stewardship Bulletin (PSB).

General Information			
Features	Good Chemical Resistance		
	Good Flexibility		
	Good Impact Resistance		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Flow		
	High Strength		
	Low Temperature Heat Sealability		
	Puncture Resistant		
Uses	Cast Film		
	Industrial Applications		
	Plastics Modification		
Forms	Pellets		
Processing Method	Cast Film		
	Compounding		
	Extrusion		
	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)	30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
Shore D, 15 sec	35		ASTM D2240, ISO 868
Shore A, 15 sec	90		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	6.00	MPa	

Break	7.50	MPa	
Tensile Strain (Break)	> 800	%	ISO 527-2
Flexural Modulus	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°C	3.0	kJ/m <sup>2</sup>	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	40.0	°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	164	°C	DSC

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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

