

Adflex X 100 G

Advanced Polyolefin

Product Description

Adflex X 100 G is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary Catalloy process technology.

It has been developed as an impact modifier for polypropylene to be used both in extrusion and in injection moulding applications. Thanks to its particular characteristics, it does not alter the transparency of the modified polypropylene (homopolymer or random copolymer). *Adflex X* 100 G exhibits a high softness and a low modulus, with a relatively high Melt Flow Index. It does not contain any slip nor anti-blocking agents. The grade is available in natural pellet form.

For regulatory compliance information see *Adflex* X 100 G Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics				
Status	Commercial: Active			
Test Method used ISO				
Processing Methods	Extrusion Compounding, Injection Molding			
Features	Good Flexibility, High Flow , Low Hardness , Good Impact Resistance , Low Temperature Impact Resistance, Good Processability			
Typical Customer Applications	Crates, Food Packaging Film, Housewares, Impact modification, Luggage, Peelable Film, Sports, Leisure and Toys			
Typical Properties		Method	Value	Unit
Physical				
Density (Method A)		ISO 1183	0.88	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)		ISO 1133	8	g/10 min
Mechanical				
Tensile Stress at Yield		ISO 527-1, -2	5	MPa
Tensile Strain at Break		ISO 527-1, -2	> 500	%
Flexural modulus		ISO 178	80	MPa
Impact				
Notched izod impact strength (-40 °C, Type 1, Notch A)		ISO 180	> 40	kJ/m²
Hardness				
Shore hardness (Shore D)		ISO 868	30	
Thermal				
Vicat softening temperature (A50 (50°C/h 10N))		ISO 306	55	°C

Notes

Typical properties; not to be construed as specifications.



