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
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
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.