

Adflex X 100 G

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

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.

General Information			
Features	Good Flexibility		
	Good Processability		
	High Flow		
	Low Hardness		
	Low Temperature Impact Resistance		
Uses	Crates		
	Film		
	Food Packaging		
	Household Goods		
	Luggage		
	Plastics Modification		
	Sporting Goods		
	Toys		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	30		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5.00	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact Strength (-40°C)	> 40	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	55.0	°C	ISO 306/A50

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