

Technical Data Sheet

Adflex 7636 XCP

Catalloy

Product Description

Adflex 7636 XCP 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 7636 XCP* 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.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Crates; Hot Melt Adhesives; Housewares; Impact Modification; Industrial Packaging; Peelable Film; Sports, Leisure & Toys
Market	Consumer Products; Flexible Packaging
Processing Method	Compounding; Injection Molding
Attribute	Good Flexibility; Good Processability; Low Temperature Impact Resistance; Medium Flow; Soft

Typical Properties	Nominal		Test Method
	Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ISO 1133-1
Density	0.88	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	80	MPa	ISO 178
Tensile Stress at Break	12	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-20 °C)	NB	kJ/m ²	ISO 179
(-40 °C)	4	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D, 15 sec)	30		ISO 868
Thermal			
Vicat Softening Temperature, (A/10 N)	56	°C	ISO 306

Heat Deflection Temperature B, (0.45 MPa, Unannealed)

40 °C

ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.