

Technical Data Sheet

Adflex 7637 XCP

Catalloy

Product Description

Adflex 7637 XCP is a thermoplastic polyolefin which has been developed for the extrusion or calendering of soft film. *Adflex 7637 XCP* can also be used as impact/toughener modifier of polypropylene homopolymer in extrusion applications. In strapping applications for instance, it notably decreases fibrillation and improves the processability of the film at high drawing ratios. *Adflex 7637 XCP* can be processed on any conventional PP extrusion line as well as on PVC calendars. It can also be blown on standard LDPE or LLDPE film lines.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Agriculture Film; Bags & Pouches; Bottles For Consumer Goods; Bottles for Industrial Use; Collapsible Tubes; Film Wrap; Heavy Duty Packaging; Hygiene Film; Lamination Film; Peelable Film; Surface Protection Film
Market	Compounding; Flexible Packaging; Rigid Packaging
Processing Method	Blown Film; Extrusion Blow Molding; Sheet and Profile Extrusion
Attribute	Good Flexibility

Typical Properties	Nominal		Test Method
	Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density	0.88	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	340	MPa	ISO 178
Tensile Stress at Break	13	MPa	ISO 527-1, -2
Tensile Stress at Yield	9	MPa	ISO 527-1, -2
Tensile Strain at Break	500	%	ISO 527-1, -2
Tensile Strain at Yield	32	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	NB	kJ/m ²	ISO 179
(-20 °C)	100	kJ/m ²	ISO 179
(-40 °C)	100	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D, 15 sec)	34		ISO 868
Thermal			
Vicat Softening Temperature, (A/10 N)	80	°C	ISO 306

Heat Deflection Temperature B, (0.45 MPa, Unannealed)

50 °C

ISO 75B-1, -2

Notes

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