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 Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density	0.88	g/cm³	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/m²	ISO 179
(-20 °C)	100	kJ/m²	ISO 179
(-40 °C)	100	kJ/m²	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.