

Technical Data Sheet

Adflex 7635 XCP



Catalloy

Product Description

Adflex 7635 XCP is a thermoplastic polyolefin, which is mainly used by our customers for the extrusion of blown film. It is also suitable for sheet extrusion.

Adflex 7635 XCP features very high softness and very low modulus. It does not contain any slip or anti-blocking agents.

Adflex 7635 XCP is used for the production of soft hygienic film and heavy duty film, as well as for the modification of LDPE or LLDPE to increase mechanical characteristics, puncture resistance, and to allow further downgauging. It can be easily processed on conventional LDPE or LLDPE blown film lines.

Regulatory Status

For regulatory compliance information, see Adflex 7635 XCP [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

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|--------------------------|--|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America |
| Application | Agriculture Film; Bags & Pouches; Barrier Film; Breathable Film; Collapsible Tubes; Film Wrap; Food Packaging Film; Heavy Duty Packaging; Hygiene Film; Interior Automotive Applications; Lamination Film; Shrink Film; Stretch Hood; Surface Protection Film; TPO Foils and Skins |
| Market | Flexible Packaging; Rigid Packaging |
| Processing Method | Blown Film; Calendaring; Double Bubble; Extrusion Blow Molding; Extrusion Flat-die; Sheet; Thermoforming |
| Attribute | Good Flexibility; Good Processability; Good Puncture Resistance; Good Tear Strength; Low Temperature Impact Resistance; Low Transparency; Soft |

| Typical Properties | Nominal | | Test Method |
|----------------------------------|---------|----------|---------------|
| | Value | Units | |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 0.6 | g/10 min | ISO 1133-1 |
| Density | 0.88 | g/cm³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 100 | MPa | ISO 178 |
| Tensile Stress at Break | 10 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | 400 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | NB | kJ/m² | ISO 179 |
| (-20 °C) | 110 | kJ/m² | ISO 179 |

Hardness

| | | |
|-----------------------------------|----|---------|
| Shore Hardness, (Shore D, 15 sec) | 30 | ISO 868 |
|-----------------------------------|----|---------|

Thermal

| | | |
|---|-------|---------------|
| Vicat Softening Temperature, (A/10 N) | 60 °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.