Adflex 7637 XCP

Polyolefin

LyondellBasell Industries

Message:

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.

General Information	
Features	Good flexibility
Uses	Blown Film Hygiene Packaging Films Laminate Bags Composite Industrial application Pipe fittings Agricultural application Sheet Bottle Plastic modification Profile Hard packaging
Processing Method	Film extrusion Blow film Composite Extrusion blow molding Sheet extrusion molding Profile extrusion molding Calendering

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 15 sec)	34		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	9.00	MPa	ISO 527-2
Fracture	13.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	32	%	ISO 527-2
Fracture	500	%	ISO 527-2
Flexural Modulus	340	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-40°C	100	kJ/m^2	ISO 179
-20°C	100	kJ/m^2	ISO 179
23°C	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	50.0	°C	ISO 75-2/B
Vicat Softening Temperature	80.0	°C	ISO 306/A

Recommended distributors for this material

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