Adflex 7636 XCP

Polyolefin

LyondellBasell Industries

Message:

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.

General Information	
Features	Workability, good
	Good flexibility
	High liquidity
	Medium liquidity
	Low temperature impact resistance
	Soft
Uses	Packaging
	Films
	Composite
	Industrial application
	Household goods
	Plastic modification
	Sporting goods
	Toys
	Consumer goods application field
	Adhesive
	Loading box
Appearance	Natural color
Forms	Particle
Processing Method	Composite
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 15 sec)	30		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	12.0	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2
Flexural Modulus	80.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-40°C	4.0	kJ/m^2	ISO 179
-20°C	No Break		ISO 179
23°C	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	40.0	°C	ISO 75-2/B
Vicat Softening Temperature	56.0	°C	ISO 306/A

Recommended distributors for this material

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