

## LyondellBasell Adflex<sup>®</sup>,ç KS-021P TPO Resin

Category : Polymer , Thermoplastic

**Material Notes:**

**Primary Processing Method:** Blown Film/Impact Modification  
**Key Features:** excellent low temperature impact resistance, excellent chemical and environmental stress-cracking resistance, FDA acceptable, no slip, no antiblock thermoplastic olefin resin  
**Applications:** films, impact modification, toys, lawn and garden equipment  
**Meets FDA requirements in 21 CFR 177.2600 for rubber articles with repeated use applications. The final item is subject to extraction requirements in 21 CFR 177.2600.**  
**Description:** Adflex KS-021P thermoplastic olefin resin designed for impact modification of polypropylene, as well as monolayer and multilayer air quenched blown films (no slip, no antiblock). It is based on proprietary Montell process technology. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.2600 for resins in rubber articles for repeated use applications. All ingredients meet the chemical registration requirements of TSCA and DSL. Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Adflex-KS-021P-TPO-Resin.php](http://www.lookpolymers.com/polymer_LyondellBasell-Adflex-KS-021P-TPO-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in <sup>3</sup>	ASTM D792B
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 230 °C	0.90 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength, Yield	7.00 MPa	1020 psi	ASTM D638
Elongation at Break	230 %	230 %	ASTM D638
Elongation at Yield	32 %	32 %	ASTM D638
Flexural Modulus	0.230 GPa	33.4 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	NB	NB	ASTM D256A

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