

## Polykemi AB SCANFILL FOIL ABYX52C1 PP/PE, Thermoforming Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , Polypropylene (PP)

**Material Notes:**

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-SCANFILL-FOIL-ABYX52C1-PPPE-Thermoforming-Grade.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANFILL-FOIL-ABYX52C1-PPPE-Thermoforming-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ISO 1183
Filler Content	52 %	52 %	±2%; Polykemi
Melt Index of Compound	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 23.0 MPa	<= 3340 psi	ISO/R527
Elongation at Yield	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 43.0 MPa	<= 6240 psi	ISO 178
Flexural Modulus	3.90 GPa @Temperature 23.0 °C	566 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.400 J/cm <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 °C	252 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	120°C/h; ISO 75/1
Vicat Softening Point	89.0 °C @Load 5.001 kg	192 °F @Load 11.03 lb	50°C/h; ISO 306
	133 °C @Load 1.00 kg	271 °F @Load 2.21 lb	50°C/h; ISO 306

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