

Mytex Polymers AS171L-02US Polypropylene, 13% Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

Material Notes:

AS171L-02US is a compounded thermoplastic polyolefin (TPO) designed for exterior automotive applications requiring cold temperature impact, processability and paintability. This product is available in natural or generic black. Applications: Exterior parts, Body Side Moldings, Claddings. OEM Approvals: Generam Motors GMW 15185, GMP.E/P.133Data provided by Mytex Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mytex-Polymers-AS171L-02US-Polypropylene-13-Talc-Filled.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	ISO 1183A
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	48 hours after molding; ISO 294-3/4
	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	48 hours after molding; ISO 294-3/4
	@Temperature 80.0 °C, Time 3600 sec	@Temperature 176 °F, Time 1.00 hour	
	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	48 hours after molding; ISO 294-3/4
	@Temperature 121 °C, Time 3600 sec	@Temperature 250 °F, Time 1.00 hour	
Melt Flow	24 g/10 min	24 g/10 min	ISO 1133B
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
Ash	13 %	13 %	ISO 3451/1A
	@Temperature 950 °C	@Temperature 1740 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.0 MPa	2180 psi	ISO 527-A/1A/50
Flexural Modulus	1.10 GPa	160 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	54.0 kJ/m ²	25.7 ft-lb/in ²	ISO 180/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	unannealed; ISO 75-1/2

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