

Mytex Polymers AS33K(W)-02 Polypropylene, Talc filled, Compounded

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

Material Notes:

Description: Talc filled compounded polypropylene produced for automotive interior applications using Mytex® Technology.Key

Applications: General purpose interiorInformation provided by Mytex Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mytex-Polymers-AS33KW-02-Polypropylene-Talc-filled-Compounded.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	LAB 024
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	
Melt Flow	24 g/10 min	24 g/10 min	LAB 012
Ash	20 %	20 %	LAB 025

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96.3	96.3	ISO 2309-2
Hardness, Shore D	66.7	66.7	15 sec; ISO 868
	82	82	Instant; ISO 868
Tensile Strength at Break	22.8 MPa	3310 psi	ISO 527
Tensile Strength, Yield	28.6 MPa	4150 psi	50 mm/min; ISO 527
Elongation at Break	15.7 %	15.7 %	ISO 527
Elongation at Yield	3.3 %	3.3 %	ISO 527
Flexural Strength	44.9 MPa	6510 psi	Max load; ISO 178
Flexural Modulus	2.63 GPa	381 ksi	Tangent; ISO 178
	2.64 GPa	383 ksi	Chord; ISO 178
Flexural Modulus, 1% Secant	2270 MPa	329000 psi	ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	ISO 180
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.40 kJ/m ²	1.62 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric ^{J/cm²}	English ^{-lb/in²}	Comments
Charpy Impact, Notched	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 178
	0.320 J/cm ²	1.52 ft-lb/in ²	ISO 179 / 1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ISO 75-1
Deflection Temperature at 1.8 MPa (264 psi)	66.7 °C	152 °F	ISO 75-1

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