

Kolon KOLEFINÂ® KO133MT40 M/F Reinforced Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

Material Notes:

KOLEFINÂ® has excellent mechanical properties and its cost is lower than other engineering plastics. KOLEFINÂ® is widely used in the automotive industry and business applications. Good mechanical properties and for high heat resistance, low mold shrinkage, good processability. Information provided by US distributor, API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOLEFIN-KO133MT40-MF-Reinforced-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/inÂ³	DIN 53479; ASTM D792
Water Absorption	0.20 %	0.20 %	DIN 53475; ASTM D570
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	DIN 53505; ASTM D785
Tensile Strength, Ultimate	38.2 MPa	5550 psi	DIN 53455; ASTM D638
Elongation at Break	30 %	30 %	DIN 53455; ASTM D638
Flexural Yield Strength	59.8 MPa	8680 psi	DIN 53455; ASTM D790
Flexural Modulus	3.63 GPa	526 ksi	DIN 53452; ASTM D790
Izod Impact, Notched	0.343 J/cm	0.643 ft-lb/in	DIN 53453; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	170 Â°C	338 Â°F	DIN 53736; ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	150 Â°C	302 Â°F	DIN 53461; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5	3.5	ASTM D150/DIN 53483
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	28.0 kV/mm	711 kV/in	ASTM D149/DIN 53481
Arc Resistance	130 sec	130 sec	ASTM D495

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