

Isoflon PP Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Products with excellent friction, anti-stick, abrasion and chemical inertia characteristics
Very good impact resistance
No moisture regain
Product for the food industry
Information provided by Isoflon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Isoflon-PP-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	DIN 53479
Water Absorption	0.00 %	0.00 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	DIN 53505
Tensile Strength	33.0 MPa	4790 psi	DIN 53455
Elongation at Break	650 %	650 %	DIN 53455
Tensile Modulus	1.30 GPa	189 ksi	DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear	150 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	83.3 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	DIN 52328
Thermal Conductivity	0.220 W/m-K	1.53 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	DIN 52612
Melting Point	160 $\text{Å}^\circ\text{C}$	320 $\text{Å}^\circ\text{F}$	DIN 53736
Maximum Service Temperature, Air	100 $\text{Å}^\circ\text{C}$	212 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Deflection Temperature at 1.8 MPa (264 psi)	65.0 $\text{Å}^\circ\text{C}$	149 $\text{Å}^\circ\text{F}$	
Minimum Service Temperature, Air	-10.0 $\text{Å}^\circ\text{C}$	14.0 $\text{Å}^\circ\text{F}$	Continuous; DIN 52612
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+18 ohm-cm	1.00e+18 ohm-cm	DIN 53482
Dielectric Strength	40.0 - 80.0 kV/mm	1020 - 2030 kV/in	DIN 53481

Descriptive Properties	Value	Comments
Color	Nat./Gray	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China