

Ineos H04G-00 Polypropylene Homopolymer

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

Material Notes:

This is a controlled rheology general purpose homopolymer polypropylene. This grade is designed to meet the processing and physical property requirements of film and profile extrusion applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications Consumer Products Industrial Products BOPP Film Extrusion Benefits Ease of processing High throughput Good balance of properties Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H04G-00-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Å°C	@Load 4.76 lb, Temperature 446 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.3 MPa	4970 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Yield	12.7 %	12.7 %	ASTM D638
Flexural Modulus, 1% Secant	1430 MPa	207000 psi	0.05 in/min test speed
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	1/8" notched bar; ASTM D256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.6 Å°C	195 Å°F	ASTM D648

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