

INEOS PP H12Z-02

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

H12Z-02 is a nucleated and antistatic polypropylene homopolymer designed for general purpose injection molding applications that require superior mold release properties. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	General Purpose		
	Good Mold Release		
	Homopolymer		
	Nucleated		
Uses	General Purpose		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	37.0	MPa	
Break	17.4	MPa	
Tensile Elongation ²			ASTM D638
Yield	9.0	%	
Break	75	%	
Flexural Modulus - 1% Secant	1830	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256

Notched Izod Impact (Area) (23°C)	4.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	116	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	90		ASTM D2457
Haze ³ (1270 μm)	56	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

