

INEOS PP H35G-00

Polypropylene Homopolymer
INEOS Olefins & Polymers USA

Message:

H35G-00 is a general purpose homopolymer designed for injection molding applications. Typical applications include rigid packaging, consumer products, housewares, fiber and extrusion coating. Benefits include easy moldability and fast cycles at low processing temperatures. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

General Information			
UL YellowCard	E31830-100062242		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	General Purpose		
	Good Moldability		
	Homopolymer		
Uses	Coating Applications		
	Consumer Applications		
	Fibers		
	General Purpose		
	Household Goods		
	Rigid Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	34	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	35.3	MPa	
Break	22.0	MPa	
Tensile Elongation ²			ASTM D638

Yield	9.5	%	
Break	< 50	%	
Flexural Modulus - 1% Secant	1490	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	J/m	ASTM D256
Notched Izod Impact (Area) (23°C)	2.38	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	99.4	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		ASTM D2457
Haze ³ (1270 μm)	75	%	ASTM D1003
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	23°C		

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