MARPOL® Homo 1300

Marco Polo International, LLC - Polypropylene Homopolymer

Tuesday, December 19, 2023

General Information

Product Description

MARPOL® Homo 1300 features extremely high purity for processing into melt blown micro-fibers, produces fine denier melt blown micro-fiber with low process temperatures and die pressures. It exhibits less polymer degradation during processing and improved properties (higher tensile strength, better transport properties, and enhanced basis weight uniformity) in the non-woven web.

Applications: recommended for melt blown fiber applications or other applications where low viscosity processing is desired.

Form: Pellets / Ziegler Natta

Processing: resin processes on conventional extrusion equipment with typical melt temperature of 500-600 °F (260-315 °C)

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Purity	• High Tensile Strength	• Homopolymer
Uses	• Meltblown Nonwovens		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.905	g/cm³	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	1300	g/10 min	ASTM D1238
Thermal	**Nominal Value**	**Unit**	
Melting Temperature	166	°C	

Notes

[1] Typical properties: these are not to be construed as specifications.