

TOTAL Polypropylene PPR 1251

Polypropylene Copolymer
TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 1251 is a syndiotactic form of copolymer polypropylene made via TOTAL proprietary technology in our polypropylene plant in La Porte, Texas. Syndiotactic is a lower melting, lower crystallinity form of polypropylene.

TOTAL Polypropylene 1251 complies with FDA regulations Title 21 CFR Section 177.1520 (c) 3.1 and may be used under these provisions for food contact and packaging.

TOTAL Polypropylene 1251 is a high melt strength grade for film and sheet constructions. However, due to its unique and interesting properties, other applications may exist.

General Information			
Features	Food Contact Acceptable		
	Good Melt Strength		
	Narrow Molecular Weight Distribution		
Uses	Film		
	Sheet		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	483	MPa	ASTM D638
Tensile Strength	15.2	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	11	%	
Break	250	%	
Flexural Modulus	345	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	129	°C	DSC
Optical	Nominal Value	Unit	Test Method
Yellowness Index	-3.7	YI	ASTM D1925

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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

