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.

Features	General Information			
Part	Features	Food Contact Acceptable		
Film Sheet Film Sheet Sheet		Good Melt Strength		
Sheet Shee		Narrow Molecular Weight Distribution		
Sheet Shee				
EC 1907/2006 (REACH) FDA 21 CFR 177.1520(c) 3.1 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/cm² ASTM D150S Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 2.0 g/0 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Modulus 483 MPa ASTM D638 Tensile Elongation 15.2 MPa ASTM D638 Tensile Elongation 11 % STM D638 Yield 11 % STM D638 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 Optical Nominal Value Unit Test Method <td>Uses</td> <td>Film</td> <td></td> <td></td>	Uses	Film		
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Optical Nominal Value Unit Test Method	Thermal	Nominal Value	Unit	Test Method
	Melting Temperature	129	°C	DSC
Yellowness Index -3.7 YI ASTM D1925	Optical	Nominal Value	Unit	Test Method
- Calonicas index	Yellowness Index	-3.7	YI	ASTM D1925

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