

TOTAL Polypropylene PPR 6232

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 6232 offers good impact strength, clarity and gloss.
TOTAL Polypropylene 6232 has been formulated specifically for medical applications requiring low level extractables and low odor.
TOTAL Polypropylene 6232 provides optimum thermal stability for superior color and processability.
TOTAL Polypropylene 6232 complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging.
TOTAL Polypropylene 6232 is ideal for extrusion blow molding for medical, food and other containers requiring low extractables.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Thermal Stability		
	High Clarity		
	High Gloss		
	Low Extractables		
	Low to No Odor		
Uses	Food Containers		
	Medical/Healthcare Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 2.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	965	MPa	ASTM D638
Tensile Strength (Yield)	26.2	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Oxygen Transmission Rate (23°C)	3700	cm ³ /m ² /24 hr	ASTM D1434

Water Vapor Transmission Rate (38°C, 90% RH)	0.24	$\text{g} \cdot \text{mm}/\text{m}^2/\text{atm}/24 \text{ hr}$	ASTM E96
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	147	°C	DSC
NOTE			

1. MP determined with a DSC-2 Differential Scanning Calorimeter.

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