

# TOTAL Polypropylene PPR 7425

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 7425, a random copolymer, exhibits excellent clarity when molded in polished molds. 7425 produced molded parts with measurably improved impact compared with parts molded from polypropylene homopolymers. 7425 has passed USP Class VI testing, an all ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). 7425 complies with all applicable FDA regulations for food contact applications. 7425 is recommended for injection molding medical devices and disposables, clear food containers and specialty housewares.

General Information			
UL YellowCard	E66261-248002		
Features	Disposable		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Clarity		
	Random Copolymer		
Uses	Food Containers		
	Household Goods		
	Medical/Healthcare Applications		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2003/11/EC		
	EU 76/769/EC		
	EU 94/62/EC		
	FDA Unspecified Rating		
RoHS Compliance	USP Class VI		
	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	758	MPa	ASTM D638
Tensile Strength (Yield)	22.1	MPa	ASTM D638

Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	621	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Dart Drop Impact (3.2 μm)	210	g	ASTM D1709
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648
Melting Temperature	145	°C	DSC
Extrusion	Nominal Value	Unit	
Melt Temperature	199 to 232	°C	

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#### Recommended distributors for this material

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